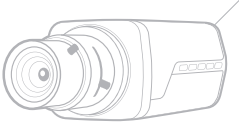
SAMSUNG TOTAL SECURITY SOLUTIONS



2013 Products

FIRST EDITION 03-2013

SAMSUNG TECHWIN

SAMSUNG

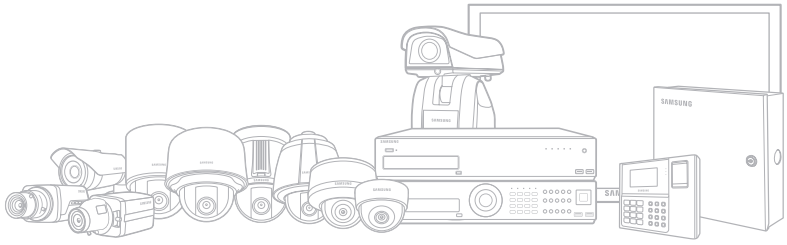


Your Source for Professional Security Solutions

Samsung Techwin was founded in 1977 as Part of Samsung's Machinery and Heavy Industries Group. This group has specialized in a wide range of high technology products such as semiconductor manufacturing systems, turbine engines, and defense systems. The need for advanced optical and image processing technologies came from the company's activities in these areas. After years of successful development of advanced optics and digital processing technology, the Security Solutions division was created to provide commercial security products from these technologies. What you see in this catalog is not just another version of video security products produced from off the shelf components. Samsung Techwin's security solution products are based upon cutting edge technologies that are unique in the security industry. When you try our products you will experience the difference that these technologies provide.

iPOLiS

Your smart security solution



Quality & Reliability

"Quality and Reliability" is of the upmost importance for physical security products and Samsung understands this. Therefore we are committed to adhering to extremely high testing standards set throughout the product development stages.

Samsung has a dedicated Quality Assurance team using cutting edge testing equipment to rigorously test and prove the reliability of the products. The Quality Assurance team publishes the reliability reports and MTBF figures (Mean Time Between Failures) to provide a guide for product lifetime expectations.








Image Quality Evaluation :

To guarantee the image quality of our products, we conduct tests in a dedicated image quality evaluation lab. The resolutions / chrominance / phase under various light / environment conditions for various objects, colour reproducibility and other operational functions are tested, to ensure reliable image quality.




ALT (Accelerated Life Test) / HALT (Highly Accelerated Life Test) :

We ensure product reliability by eliminating potential quality defects in advance, through the use of a variety of high-level stress tests relating to temperature, vibration and power.



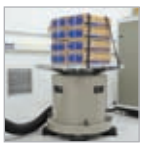

Temperature & Humidity Profile Test :

(Environmental tests for high-temperature/low-temperature/high-humidity) :
We ensure that our products operate normally under any environmental conditions by conducting a variety of environmental tests.



Power Environment Test :

To secure the electronic reliability of our products, we perform an electro-static test, which verifies the electrical tolerances against unstable voltage supply, voltage drop and thunder stroke.

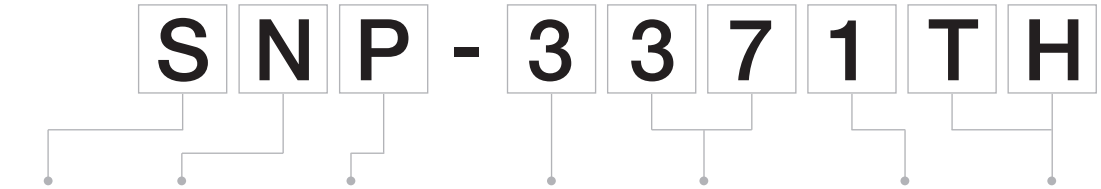



Distribution Environment Test :

To minimize the possibility of damage occurring during shipping, we perform tests including vibration, drop, and cold proof drop according to international standards, which simulate the types of situations that can occur during product distribution.

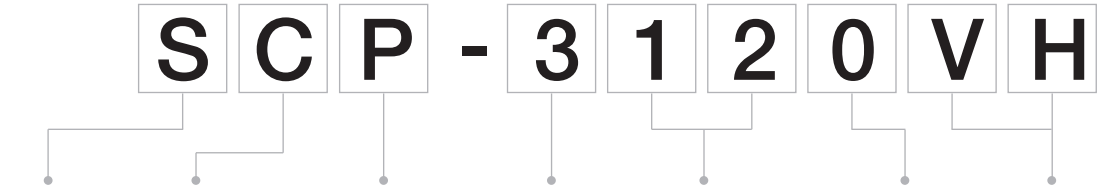
Product Numbering Rule

Network Camera



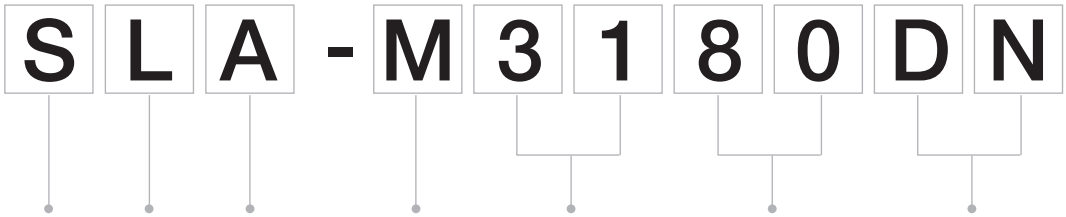
Samsung	Network Camera	Appearance	Sensor (Pixel No.)	Lens (Zoom Ratio)	Version No : 0 ~ 9	Etc. Feature
		B : Box D : Dome (Interior) M : Module O : One body box P : PTZ U : P/T United V : Dome (Vandal) Z : Zoom	1 : VGA CMOS 2 : BLC CCD 3 : WDR CCD 4 : SVGA 5 : 1.3 Mega 6 : 2 Mega 7 : 3 Mega 8 : 5 Mega↑ 9 : Special, EMCCD	00 : No Lens 01 : 3↓mm Fixed 02 : 3↑~ 4mm Fixed 03 : 4↑~ 6mm Fixed 04 : 6↑~ 10mm Fixed 05 : 10mm↑ Fixed 06 : 2x V/F 08 : 2↑~ 9x V/F 09 : 10x V/F xx : Zoom (PTZ, Zoom) 36 : 360° Fisheye		B : Black C : Counting CF : Counting + Flush F : Flush H : Housing R : IR RF : IR + Flush T : Tracking TH : Tracking + Housing VH : Vandal + Housing

Analogue Camera



Samsung	Transmission (Video)	Appearance	Sensor (Pixel No.)	Lens (Zoom Ratio)	Version No : 0 ~ 9	Etc. Feature
	C : Camera U : UTP Camera	B : Box D : Dome (Interior) M : Module O : One body box P : PTZ U : P/T United V : Dome (Vandal) Z : Zoom	1 : VGA / 270K 2 : BLC CCD 3 : WDR CCD 4 : 1/2" 5 : 1.3 Mega 6 : 2 Mega 7 : 3 Mega 8 : 5 Mega↑ 9 : Special	00 : No Lens 01 : 3mm 02 : 4mm 03 : 6mm 04 : 8mm 05 : 10mm↑ 06 : 2x V/F 07 : 3x V/F 08 : 4 ~ 9x V/F 09 : 10x V/F xx : Zoom (PTZ, Zoom)		B : Black C : Counting F : Flush H : Housing R : IR T : Tracking V : Vandal HE : Heater

Lens

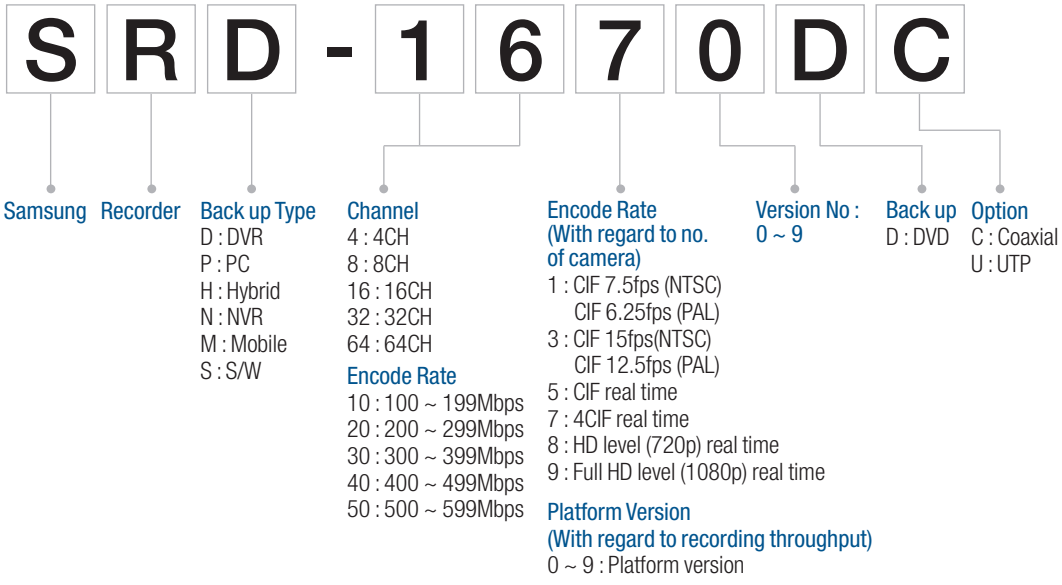


Samsung	Lens	Lens Type	Resolution	Focal Length (Wide)	Focal Length (Tele) / Zoom Ratio	Others
		A : Auto Iris M : Manual Iris Z : Motorized Zoom	Null : 410K pixel↑ M : Megapixel			DN : Day & Night D : DC Iris

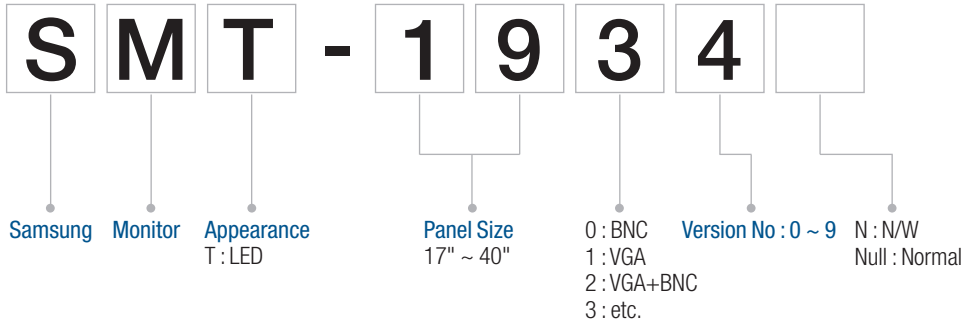
Product Numbering Rule

DVR / NVR

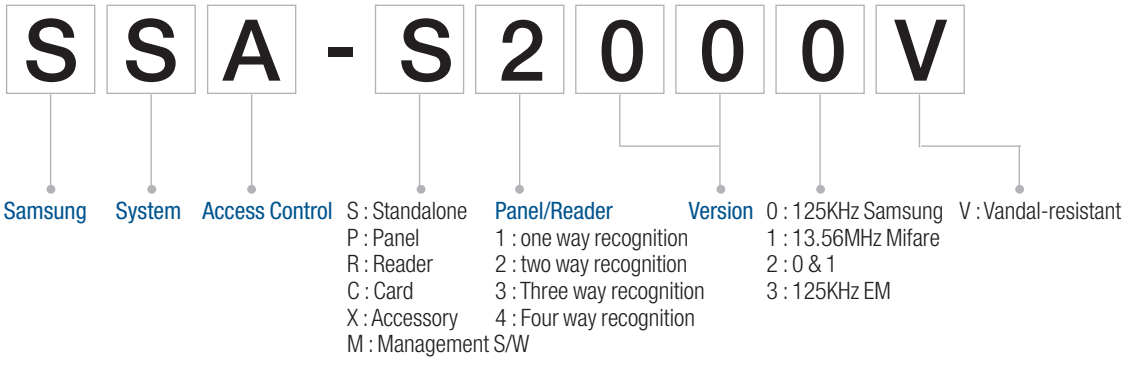
* The SRD-1673D/1653D/873D supports coaxial control.



Monitor



Access Control System



Product Line-up

Network

Network Camera

Box

 SNB-7002 20

 SNB-7001 21

New  SNB-6004 22

New  SNB-6003 23

 SNB-5000 24

 SNB-5001 25

 SNB-3002 26

 SNB-1001 27

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 SNZ-5200 28

IR Bullet

 SNO-7082R 29

New  SNO-6084R 30

 SNO-5080R 31

 SNO-1080R 32

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 SND-7061 34

 SND-7011 35

New  SND-6084 36

New  SND-6083 37

 SND-5080/5080F 38

 SND-5061 39

 SND-5011 40

 SND-5010 41

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New  SND-6084R 45

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 SNV-3120 49

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IR Vandal-Resistant

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 SNV-5080R 54

 SNV-1080R 55

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Bullet

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IR Bullet

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 SCO-2080R/2080RH 98

 SCO-1020R 99

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New  SCD-2082 104

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 SCD-1020/1040 110

IR Dome

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 SCD-2020R 112

 SCD-1020R 113

Vandal-Resistant

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 SCV-2120 115

 SCV-3082 116

 SCV-3081/2081 117

 SCV-3080/2080 118

 SCV-2060 119

Product Line-up

Analogue Camera

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SCV-2080R 121

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New 
SCP-3371H/3371 123


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New 
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SSA-S3011/S3021/S3041


SSA-S2100/S2101 200


SSA-S2000/S2000V 201

SSA-S1000/S1000V

Control Panel


SSA-R2010/R2020/R2040 202

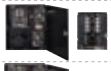
SSA-R2011/R2021/R2041


SSA-R1000/R1001/R1003 203

SSA-R1100/R1101/R1103


SSA-R1000V/R1001V/R1100V/R1101V 204


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Card & Scanner


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SAMSUNG TOTAL SECURITY SOLUTIONS





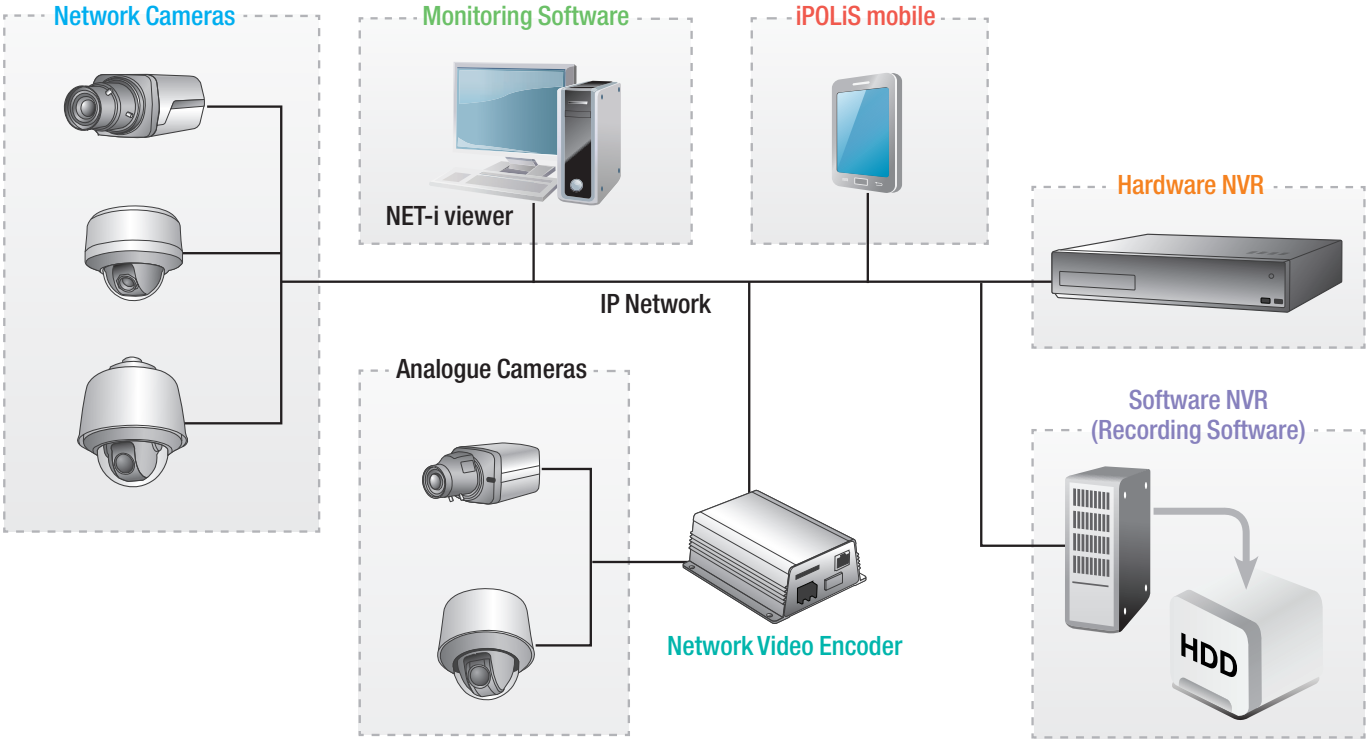
NETWORK



Network Solution

iPOLiS, Your smart security solution

iPOLiS is a one-stop IP video surveillance solution from Samsung that provides the best solutions of network systems; Network cameras, Encoders, NVRs, Monitoring software, Mobile monitoring solutions, Hardware NVRs, and Software NVRs (Recording Software). Based on cutting-edge technology earned from a long history in the video surveillance industry, iPOLiS supports users with outstanding functions that is convenient & easy to manage.



Network Cameras

Network cameras communicate with monitoring/recording tools via an IP network. Samsung is expanding its line-up of network cameras, based on its excellent technological background, these network cameras, are equipped useful functions.

Hardware NVRs

Unlike DVRs that digitize the analogue video feeds, NVR receives video images digitized from IP network. While the DVR has to be located near the analogue feeds, the NVR can be located anywhere on a network and users can simply access the recorded video again from anywhere on the network.

Network Video Encoders

To adapt an analogue surveillance system into a network surveillance system does not mean that the pre-installed analogue cameras have to change. Encoders convert the analogue video signal into network one so that the video from analogue cameras can be transmitted over an IP network.

Software NVRs (Recording Software)

NET-i Ware, Samsung's network-recording software, provides video streaming, recording and event management functions that allow users to record video continuously, on schedule, on alarm and/or on motion detection.

Monitoring Software

A standard PC can be used as a monitoring device by installing NET-i, Samsung network monitoring software. Familiar operation and an easy-to- use GUI benefit users.

iPOLiS mobile

iPOLiS mobile is a free application designed specifically for Samsung Techwin security network products, available as both Android and iOS. It enables you to view live video, control pan/tilt/zoom functions, search and playback images from Samsung network cameras and NVRs, anywhere via your Smartphone.

Core Technologies from Samsung Techwin

The WiseNet series of Digital Signal Processor (DSP) chipsets have been developed in house at Samsung Techwin specifically for use in Samsung network video surveillance cameras. With three WiseNet DSP chipsets and one LiteNet series to choose from, users are able to pick the set of advanced features and functionality that best matches the requirement for their application.

iPOLiS
Your smart security solution



WiseNet III

The WiseNetIII, the most advanced DSP in the WiseNet series, is equipped with enhanced functions across all the features that other WiseNet DSPs offer. Providing real time 60fps at 1080p resolution, there will be no latency or blur in images. Multi-crop streaming enables efficient use of network bandwidth and P-Iris offers images with better resolution and depth of field.

WiseNet II

Network cameras featuring the WiseNetII DSP benefit from 3megapixels, Full HD (1080p) resolution image output. The WiseNetII includes technologies such as smart codec, remote focus control and HD Wide Dynamic Range (WDR).

WiseNet

Network cameras featuring the WiseNet DSP are able to display images at 1.3 megapixel and HD (720p) resolutions. Available in a broad range of camera styles, including pan / tilt / zoom models, the WiseNet DSP brings the benefits of Intelligent Video Analytics to your applications.

WiseNet S

WiseNetS network cameras offer a cost effective solution for small to medium sized applications, such as retail outlets and schools. Supporting VGA resolution image capture, they contain all the features needed to create a professional network video solution. WiseNetS is also a high value proposition, incorporating advanced features such as face detection, video analytics and edge storage.

LiteNet

Not a DSP, but selected Samsung network cameras of LiteNet series have been designed with small to medium size installations in mind. Allied to sleek designs these 1.3MP and 3MP resolution cameras offer cutting edge technologies include multiple streaming capability, 30 images per second performance at 1.3MP and 1080p respectively, video tamper functionality and progressive scan which all contribute to produce clear images.

* The features of cameras within a range can vary by model. Please refer to the specifications of the model of interest.

	Features	Camera List
	**WiseNet III** • Max. 2.4/1.3megapixel resolution • 60fps@1080p/720p • WDR (30fps, 100dB) • SSLE (Samsung Super Light Enhancer) • SSNRIII (Samsung Super Noise Reduction) • P-Iris, Defog • Multi-crop streaming • SDXC memory slot • Advanced motion detection • Intelligent video analytics : Face detection, Audio detection, Tampering detection, Appear/Disappear, Virtual line, Enter/Exit • Advanced DIS (Digital Image Stabilization) • Privacy Mask • SSDR (Samsung Super Dynamic Range) • UPnP / Bonjour	SNB-6004 SNB-6003 SND-6084 SND-6083 SNO-6084R SND-6084R SNV-6084R
	**WiseNet II** • Max. 3megapixel resolution (4 : 3 display) • Full HD 1080p resolution (16 : 9 display) • SSNRIII (Samsung Super Noise Reduction) • Smart compression (ROI encoding) • Simple focus : Motorized V/F (Dome), ABF (Box), not for PTZ cameras • WDR (3M 20fps, 2M 30fps) (not for SNP-6200) • Intelligent video analytics : Tampering detection, Appear/Disappear, Virtual line, Enter/Exit, Face detection, Audio detection (not for SNP-6200) • Privacy Mask • Analogue output for easy installation • SSDR (Samsung Super Dynamic Range) • UPnP	SNB-7002 SND-7082/7020F SNO-7082R SNV-7082 SNV-7080R SNP-6200/6200H
	**WiseNet** • Max. 1.3megapixel resolution • HD 720p resolution (16 : 9 display) • SSNRIII (Samsung Super Noise Reduction) • Intelligent video analyticsz : Tampering detection, Appear/Disappear, Virtual line, Enter/Exit • Privacy Mask • Analogue output for easy installation • SSDR (Samsung Super Dynamic Range)	SNB-5000 SND-5080/5080F SNO-5080R SNV-5080 SNV-5080R SNP-5300/5300H SNZ-5200 SNV-5010
	**WiseNet S** • VGA (640 x 480) Resolution • SSNRIII (Samsung Super Noise Reduction) • Intelligent video analytics : Face detection • Privacy Mask • Analogue output for easy installation • SSDR (Samsung Super Dynamic Range)	SNB-1001 SND-1080 SND-1011 SNO-1080R SNV-1080 SNV-1080R
LiteNet	**LiteNet** • Max. 1.3/3megapixel resolution • Smart compression (ROI encoding) : 3megapixel cameras • Intelligent video analytics : Tampering detection • Privacy Mask • Analogue output for easy installation • SSDR (Samsung Super Dynamic Range)	SNB-5001 SND-5011 SND-5061 SNB-7001 SND-7011 SND-7061

Core Technologies from Samsung Techwin

Wide Range of Resolution to Select from VGA to 3Megapixel

The WiseNet/LiteNet range of network cameras includes VGA (640 x 480), 4CIF, 1.3megapixel HD and 3megapixel (2048 x 1536) Full HD cameras and domes, making it possible to select the correct camera for each location.
For example, standard resolution cameras can be used for general monitoring purposes whilst Samsung's high performance megapixel HD cameras can be used in places that require evidence grade video such as in the A&E department and maternity wards. Also the megapixel cameras can monitor a wider scene such as a factory floor replacing the job of 5 industry standard cameras saving cost and installation time.



	VGA	1.3MP / HD	2MP / Full HD	3MP / Full HD
LiteNet	Yes	Yes (5001 series)	Yes (7001 series)	Yes (7001 series)
WiseNetS	Yes	N/A	N/A	N/A
WiseNet	Yes	Yes	N/A	N/A
WiseNetII	Yes	Yes	Yes	Yes
WiseNetIII	Yes	Yes	Yes	N/A

WDR (Wide Dynamic Range)

The WDR technology compensates for backlight problems effectively, by applying an optimum fusion ratio when combining the long exposure (low shutter speed exposure) method used in bright areas and the short exposure (high shutter speed exposure) method used in dark areas.


WDR Off


WDR On

	WDR	Frame Rate	Remarks
LiteNet	N/A	N/A	N/A
WiseNetS	N/A	N/A	N/A
WiseNet	N/A	N/A	SNP-5300 : 90dB
WiseNetII	96 dB	20fps@3MP, 30fps@2MP	SNP-6200 : Not supported
WiseNetIII	100 dB	20fps@3MP	N/A

SSNRIII (Samsung Super Noise ReductionIII)

Useful in low light condition, this technology eliminates image noise in low light conditions without creating image blur or ghosting. The technology works in color and monochrome modes, greatly enhancing low light color operation.


SSNRIII Off


SSNRIII On

	Remarks
LiteNet	N/A
WiseNetS	Yes
WiseNet	Yes
WiseNetII	Yes
WiseNetIII	Yes

Defog

Defog can be used to help improve the captured image in poor weather conditions such as rain, smoke or fog The visibility of the cameras can be enhanced in any weather condition.


Defog Off


Defog On

	Remarks
LiteNet	N/A
WiseNetS	N/A
WiseNet	N/A
WiseNetII	N/A
WiseNetIII	Yes

SSDR (Samsung Super Dynamic Range)

Useful in high contrast or backlight scenes SSDR automatically brightens the dark areas whilst maintaining the brighter areas at the same level. This ensures that the dark areas become more viewable allowing the operator to view objects in the shadows.


SSDR Off


SSDR On

	Remarks
LiteNet	Yes
WiseNetS	Yes
WiseNet	Yes
WiseNetII	Yes
WiseNetIII	Yes

P-Iris Lens Support

The P-Iris system optimizes the iris function when multiple lighting conditions exist in a single scene resulting in images with better contrast, clarity, resolution and depth of field. Especially effective in megapixel cameras such as the WiseNetIII series providing increased image sharpness.


Conventional Cameras


P-Iris

	Remarks
LiteNet	N/A
WiseNetS	N/A
WiseNet	N/A
WiseNetII	N/A
WiseNetIII	Yes

Advanced DIS (Digital Image Stabilization)

Previously only seen in analogue CCDs, Samsung's new WiseNetIII CMOS sensor now incorporates Digital Image Stabilization (DIS) technology to negate the effects of a camera shaking due to high winds or building vibration. This also greatly reduces the rolling shutter effects such as image wobbling or skew that can be seen in high quality images.


DIS Off


DIS On

	Remarks
LiteNet	N/A
WiseNetS	N/A
WiseNet	N/A
WiseNetII	N/A
WiseNetIII	Yes

Core Technologies from Samsung Techwin

Samsung Smart Codec - ROI (Regions of Interest)

In the majority of scenes viewed by a surveillance camera, only a proportion of the image is of interest to the operator. With the continued increase in resolution and therefore data sizes there is an increased amount of “Wasted Data” created. Samsung’s smart codec technology allow the network cameras to be programmed to capture in greater detail the real ROI, such as moving objects, human faces, doors or windows than the remainder of the scene. This smart codec feature produces lower data sizes while clearly highlighting the ROI.



Normal Compressed Image
(Higher Data Size)



Smart Compressed Image
(Effectively Saved Data Size)

	Remarks
LiteNet	Yes (7001 series only)
WiseNetS	N/A
WiseNet	N/A
WiseNetII	Yes
WiseNetIII	Yes

Polygonal Mask

A privacy mask is a setting that is on selected cameras that allow you block out a certain part of the scene. This is especially useful in areas that have to couple the needs of surveillance with the requirements of privacy and data protection. The polygonal masks allow for the accurate masking of sensitive areas while not infringing on the surveillance sectors.

	Number of Areas	Remarks
LiteNet	Up to 12ea	Yes
WiseNetS	Up to 32ea	Yes
WiseNet	Up to 12ea	SNZ-5200 : 8ea
WiseNetII	Up to 17ea	Yes
WiseNetIII	Up to 32ea	Yes

Intelligent Video Analytics

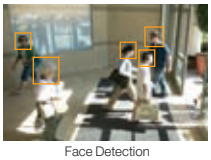
Intelligent video analytics can be used for efficient monitoring. Each range of cameras features a different set of analytics.

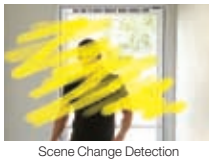
- Motion Detection : Detects any change occurring in predefined fields of view
- Face Detection : Detects up to 32 faces in the scene.
- Appear / Disappear : Detects the movement of an object in a predefined area
- Virtual Line / Enter / Exit : Detects an object crossing a line or areas in predefined areas..
- Audio Detection : Detects any abnormal sound by volume.
- Tampering Detection : Detects and automatically alerts when a cameras field of view is changed.


Motion Detection


Virtual Line Detection


Enter / Exit Detection


Face Detection


Scene Change Detection
(Tampering)


Appear / Disappear Detection

	Supported Functions
LiteNet	Tampering detection
WiseNetS	Face detection
WiseNet	Tampering detection, Appear/Disappear, Virtual line, Enter/Exit
WiseNetII	Tampering detection, Audio detection, Face detection Appear/Disappear, Virtual line, Enter/Exit
WiseNetIII	Appear/Disappear, Audio detection, Face detection, Virtual line, Enter/Exit

* The Intelligent Video Analytics functions supported by each camera can vary by model.

Simple Focus

Simple focus, Samsung’s automatic focus technology allows the camera to move the image sensor's position in box cameras, while in dome cameras a motorized varifocal lens with a remote control function will control these adjustments.


Conventional Cameras

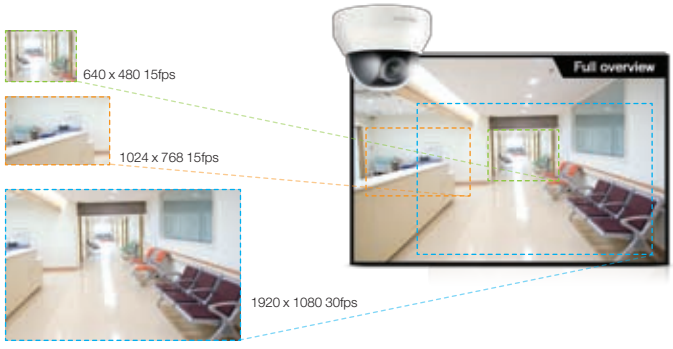

Simple Focus

	Remarks
LiteNet	N/A
WiseNetS	N/A
WiseNet	N/A
WiseNetII	Yes
WiseNetIII	Yes (Varies by model)

Multi-crop Streaming

The streaming of multiple images (Multi-streaming) has now become smarter with WiseNetIII's high 60fps frame rate. Users can highlight/crop the scene of interest and the camera only sends the images within that area at a preferred resolution and frame rate. This flexibility in the video's resolution and frame rate allows a much smarter and efficient use of the network's bandwidth.

	Remarks
LiteNet	N/A
WiseNetS	N/A
WiseNet	N/A
WiseNetII	N/A
WiseNetIII	Yes



Edge Storage Support

Edge storage of WiseNetIII network cameras support SDXC memory as well as SD/SDHC, extending the capacity SDXC, reducing the dependency on external recording devices by greatly extending the number of days recorded locally.

	Remarks
LiteNet	N/A
WiseNetS	Micro SD/SDHC (Not supported for SNO-1080R)
WiseNet	Yes (Not supported for SNO-5080R and SNV-5010)
WiseNetII	SD/SDHC
WiseNetIII	SD/SDHC/SDXC

UPnP / Bonjour

UPnP and Bonjour are the protocols supported in Windows and Mac operating system. It enables automatic port forwarding so that the operating system can automatically find each network camera, making it easier to integrate a device into a network. Currently WiseNetII and WiseNetIII network cameras support UPnP/Bonjour but every camera will be supporting these in near future.

	Remarks
LiteNet	N/A
WiseNetS	N/A
WiseNet	N/A
WiseNetII	UPnP
WiseNetIII	UPnP / Bonjour

Network Camera Selection

	3Megapixel					
	Box		IR Bullet	Dome		
	SNB-7002	SNB-7001	SNO-7082R	SND-7082/7082F	SND-7061	SND-7011
						
Imaging Device	1/3" 3.1M PS CMOS	1/2.8" 3M PS CMOS	1/3" 3.1M PS CMOS	1/3" 3.1M PS CMOS	1/2.8" 3M PS CMOS	1/2.8" 3M PS CMOS
Min. Illumination (50 IRE)	Color : 0.7Lux B/W : 0.07Lux	0.4Lux	Color : 0.7Lux B/W : 0Lux (IR LED on)	Color : 0.7Lux B/W : 0.07Lux	0.4Lux	0.9Lux
Day & Night	Yes (ICR)	Yes (Electrical)	Yes (ICR)	Yes (ICR)	Yes (Electrical)	Yes (Electrical)
Wide Dynamic Range	Yes	N/A	Yes	Yes	N/A	N/A
Analog Video Output	DIP connector type	CVBS 1.0Vp-p	CVBS 1.0Vp-p	CVBS 1.0Vp-p	CVBS 1.0Vp-p	CVBS 1.0Vp-p
Lens	Optional	Optional	2.8x motorized varifocal (3 ~ 8.5mm)	2.8x motorized varifocal (3 ~ 8.5mm)	2.8x varifocal (3 ~ 8.5mm)	3mm fixed
Video Compression Format	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG
Streaming Capability	Multiple streaming (Up to 6 profiles)	Multiple streaming (Up to 5 profiles)	Multiple streaming (Up to 6 profiles)	Multiple streaming (Up to 6 profiles)	Multiple streaming (Up to 5 profiles)	Multiple streaming (Up to 5 profiles)
Streaming Method	Unicast / Multicast	Unicast / Multicast	Unicast / Multicast	Unicast / Multicast	Unicast / Multicast	Unicast / Multicast
Max. Resolution	2048 x 1536	2048 x 1536	2048 x 1536	2048 x 1536	2048 x 1536	2048 x 1536
Max. Frame Rate	20fps at 3MP (H.264)	20fps at 3MP (H.264)	20fps at 3MP (H.264)	20fps at 3MP (H.264)	20fps at 3MP (H.264)	20fps at 3MP (H.264)
Audio I/O	Bi-directional	N/A	Bi-directional	Bi-directional	N/A	N/A
Memory Slot	Yes (SD/SDHC)	N/A	Yes (SD/SDHC, 4GB included)	Yes (SD/SDHC)	N/A	N/A
Alarm I/O	1 / 1	1 / 0	1 / 1	1 / 1	1 / 0	1 / 0
Motion Detection	Yes	Yes	Yes	Yes	Yes	Yes
Intelligent Video Analytics	Audio detection, Face detection, Tampering, Virtual line, Enter / Exit, Appear / Disappear	Tampering (3M 15fps, 2M 20fps)	Audio detection, Face detection, Tampering, Virtual line, Enter / Exit, Appear / Disappear	Audio detection, Face detection, Tampering, Virtual line, Enter / Exit, Appear / Disappear	Tampering (3M 15fps, 2M 20fps)	Tampering (3M 15fps, 2M 20fps)
ONVIF	Yes (Profile S)	Yes	Yes (Profile S)	Yes (Profile S)	Yes	Yes
Security	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1x authentication	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1x authentication	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1x authentication	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1x authentication	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1x authentication	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1x authentication
Environmental Protection	N/A	N/A	IP66, IK10	N/A	N/A	N/A
Operating Temperature	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	24V AC : -50°C ~ +55°C (-58°F ~ +131°F) 12V DC, PoE : -10°C ~ +55°C (+14°F ~ +131°F) *Heater works at AC input only	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)
Power	12V DC, PoE (IEEE802.3af)	12V DC, PoE (IEEE802.3af)	24V AC,12V DC, PoE (IEEE802.3af)	12V DC, PoE (IEEE802.3af)	12V DC, PoE (IEEE802.3af)	12V DC, PoE (IEEE802.3af)

	3Megapixel		2Megapixel			
	Vandal-Resistant	IR Vandal-Resistant	Box		IR Bullet	Dome
	SNV-7082	SNV-7080R	SNB-6084	SNB-6083	SNO-6084R	SND-6084
						
Imaging Device	1/3" 3.1M PS CMOS	1/2.8" 3M PS CMOS	1/2.8" PS Exmor 2.38M CMOS	1/2.8" PS Exmor 2.38M CMOS	1/2.8" PS Exmor 2.38M CMOS	1/2.8" PS Exmor 2.38M CMOS
Min. Illumination (50 IRE)	Color : 0.7Lux B/W : 0.07Lux	Color : 1Lux B/W : 0Lux (IR LED on)	Color : 0.1Lux B/W : 0.01Lux	Color : 0.1Lux B/W : 0.01Lux	Color : 0.1Lux B/W : 0Lux (IR LED on)	Color : 0.1Lux B/W : 0.01Lux
Day & Night	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (Electrical)	Yes (ICR)	Yes (ICR)
Wide Dynamic Range	Yes	Yes	Yes	Yes	Yes	Yes
Analog Video Output	CVBS 1.0Vp-p	CVBS 1.0Vp-p	CVBS 1.0Vp-p, DIP connector type	CVBS 1.0Vp-p, DIP connector type	CVBS 1.0Vp-p, DIP connector type	CVBS 1.0Vp-p, DIP connector type
Lens	2.8x motorized varifocal (3 ~ 8.5mm)	2.8x motorized varifocal (3 ~ 8.5mm)	Optional	Optional	2.8x motorized varifocal (3 ~ 8.5mm)	2.8x motorized varifocal (3 ~ 8.5mm)
Video Compression Format	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG
Streaming Capability	Multiple streaming (Up to 6 profiles)	Multiple streaming (Up to 6 profiles)	Multiple streaming (Up to 10 profiles)	Multiple streaming (Up to 10 profiles)	Multiple streaming (Up to 10 profiles)	Multiple streaming (Up to 10 profiles)
Streaming Method	Unicast / Multicast	Unicast / Multicast	Unicast / Multicast	Unicast / Multicast	Unicast / Multicast	Unicast / Multicast
Max. Resolution	2048 x 1536	2048 x 1536	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Max. Frame Rate	20fps at 3MP (H.264)	20fps at 3MP (H.264)	60fps at 2MP (H.264)	60fps at 2MP (H.264)	60fps at 2MP (H.264)	60fps at 2MP (H.264)
Audio I/O	Bi-directional	Bi-directional	Bi-directional	Bi-directional	Bi-directional	Bi-directional
Memory Slot	Yes (SD/SDHC)	Yes (SD/SDHC)	Yes (SD/SDHC/SDXC)	Yes (SD/SDHC/SDXC)	Yes (SD/SDHC/SDXC)	Yes (SD/SDHC/SDXC)
Alarm I/O	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1
Motion Detection	Yes	Yes	Yes	Yes	Yes	Yes
Intelligent Video Analytics	Audio detection, Face detection, Tampering, Virtual line, Enter / Exit, Appear / Disappear	Scene change, Virtual line, Enter / Exit, Appear / Disappear	Tampering, Virtual line, Enter/Exit, Appear / Disappear, Audio detection, Face detection with metadata	Tampering, Virtual line, Enter/Exit, Appear / Disappear, Audio detection, Face detection with metadata	Tampering, Virtual line, Enter/Exit, Appear / Disappear, Audio detection, Face detection with metadata	Tampering, Virtual line, Enter/Exit, Appear / Disappear, Audio detection, Face detection with metadata
ONVIF	Yes (Profile S)	Yes	Yes (Profile S)	Yes (Profile S)	Yes (Profile S)	Yes (Profile S)
Security	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1x authentication	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1x authentication	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1x authentication	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1x authentication	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1x authentication	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1x authentication
Environmental Protection	IP66, IK10	IP66, IK10	N/A	N/A	IP66, IK10	N/A
Operating Temperature	12V DC : -10°C ~ +55°C (+14°F ~ +131°F) PoE : -35°C ~ +55°C (-31°F ~ +131°F) *Heater works at PoE power input *After start up, working at -40° by PoE	24V AC : -40°C ~ +55°C (-40°F ~ +131°F) 12V DC, PoE : -10°C ~ +55°C (+14°F ~ +131°F) *Heater works at AC input only	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	24V AC : -50°C ~ +55°C (-58°F ~ +131°F) 12V DC, PoE : -10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)
Power	12V DC, PoE (IEEE802.3af)	24V AC,12V DC, PoE (IEEE802.3af)	24V AC, 12V DC, PoE (IEEE802.3af class3)	24V AC, 12V DC, PoE (IEEE802.3af class3)	24V AC, 12V DC, PoE (IEEE802.3af)	12V DC, PoE (IEEE802.3af class3)

Network Camera Selection

	2Megapixel				1.3Megapixel	
	Dome	IR Dome	IR Vandal-Resistant	PTZ	Box	
	SND-6083	SND-6084R	SNV-6084R	SNP-6200/6200H	SNB-5000	SNB-5001
						
Imaging Device	1/2.8" PS Exmor 2.38M CMOS	1/2.8" PS Exmor 2.38M CMOS	1/2.8" PS Exmor 2.38M CMOS	1/3" 2M PS CMOS	1/3" 1.3M PS CMOS	1/3" 1.3M PS CMOS
Min. Illumination (50 IRE)	Color : 0.1Lux B/W : 0.1Lux	Color : 0.1Lux B/W : 0Lux (IR LED on)	Color : 0.1Lux B/W : 0Lux (IR LED on)	Color : 1.5Lux B/W : 0.1Lux	Color : 0.3Lux B/W : 0.01Lux	0.7Lux
Day & Night	Yes (Electrical)	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (Electrical)
Wide Dynamic Range	Yes	Yes	Yes	Yes	N/A	N/A
Analog Video Output	CVBS 1.0Vp-p, DIP connector type	CVBS 1.0Vp-p, DIP connector type	CVBS 1.0Vp-p, DIP connector type	CVBS 1.0Vp-p	CVBS 1.0Vp-p	CVBS 1.0Vp-p
Lens	2.8x motorized varifocal (3 ~ 8.5mm)	2.8x motorized varifocal (3 ~ 8.5mm)	2.8x motorized varifocal (3 ~ 8.5mm)	20x (4.45 ~ 89mm)	Optional	Optional
Video Compression Format	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MPEG-4, MJPEG	H.264, MJPEG
Streaming Capability	Multiple streaming (Up to 10 profiles)	Multiple streaming (Up to 10 profiles)	Multiple streaming (Up to 10 profiles)	Multiple streaming (Up to 6 profiles)	Multiple streaming (Up to 10 profiles)	Multiple streaming (Up to 10 profiles)
Streaming Method	Unicast / Multicast	Unicast / Multicast	Unicast / Multicast	Unicast / Multicast	Unicast / Multicast	Unicast / Multicast
Max. Resolution	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1280 x 1024	1280 x 1024
Max. Frame Rate	60fps at 2MP (H.264)	60fps at 2MP (H.264)	60fps at 2MP (H.264)	30fps at all resolutions	30fps at all resolutions	30fps at all resolutions
Audio I/O	Bi-directional	Bi-directional	Bi-directional	Bi-directional	Bi-directional	N/A
Memory Slot	Yes (SD/SDHC/SDXC)	Yes (SD/SDHC/SDXC)	Yes (SD/SDHC/SDXC)	Yes (SD/SDHC)	Yes (SD/SDHC)	N/A
Alarm I/O	1 / 1	1 / 1	1 / 1	4 / 2	1 / 1	1 / 0
Motion Detection	Yes	Yes	Yes	Yes	Yes	Yes
Intelligent Video Analytics	Tampering, Virtual line, Enter/Exit, Appear / Disappear, Audio detection, Face detection with metadata	Tampering, Virtual line, Enter/Exit, Appear / Disappear, Audio detection, Face detection with metadata	Tampering, Virtual line, Enter/Exit, Appear / Disappear, Audio detection, Face detection with metadata	Tampering, Virtual line, Enter / Exit, Appear / Disappear	Scene change, Virtual line, Enter / Exit, Appear / Disappear	Tampering (20fps)
ONVIF	Yes (Profile S)	Yes (Profile S)	Yes (Profile S)	Yes	Yes	Yes
Security	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1x authentication	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1x authentication	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1x authentication	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1x authentication	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1x authentication	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1x authentication
Environmental Protection	N/A	N/A	IP66, IK10	IP66, IK10 (SNP-6200H)	N/A	N/A
Operating Temperature	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	24V AC : -40°C ~ +55°C (-40°F ~ +131°F) 12V DC, PoE : -10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F) (SNP-6200) -10°C ~ +55°C (+14°F ~ +131°F) (Heater off) (SNP-6200H) -50°C ~ +55°C (-58°F ~ +131°F) (Heater on) (SNP-6200H) *Heater works at AC input only	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)
Power	12V DC, PoE (IEEE802.3af class3)	12V DC, PoE (IEEE802.3af)	24V AC,12V DC, PoE (IEEE802.3af)	24V AC, PoE+ (IEEE802.3at)	24V AC,12V DC, PoE (IEEE802.3af)	12V DC, PoE (IEEE802.3af)

	1.3Megapixel					
	Zoom Box	IR Bullet	Dome			
	SNZ-5200	SNO-5080R	SND-5080/5080F	SND-5061	SND-5011	SND-5010
						
Imaging Device	1/3" 1.3M PS CMOS	1/3" 1.3M PS CMOS	1/3" 1.3M PS CMOS	1/2.8" 1.3M PS CMOS	1/2.8" 1.3M PS CMOS	1/2.8" 1.3M PS CMOS
Min. Illumination (50 IRE)	Color : 0.7Lux B/W : 0.08Lux	Color : 0.3Lux B/W : 0Lux (IR LED on)	Color : 0.3Lux B/W : 0.01Lux	0.7Lux	1.6Lux	1.6Lux
Day & Night	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (Electrical)	Yes (Electrical)	Yes (Electrical)
Wide Dynamic Range	N/A	N/A	N/A	N/A	N/A	N/A
Analog Video Output	CVBS 1.0Vp-p	DIP connector type	CVBS 1.0Vp-p	CVBS 1.0Vp-p	CVBS 1.0Vp-p	CVBS 1.0Vp-p
Lens	20x (4.45 ~ 89mm)	3.6x varifocal (2.8 ~ 10mm)	3.6x varifocal (2.8 ~ 10mm)	2.8x varifocal (3 ~ 8.5mm)	3mm fixed	3mm fixed
Video Compression Format	H.264, MPEG-4, MJPEG	H.264, MPEG-4, MJPEG	H.264, MPEG-4, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG
Streaming Capability	Multiple streaming (Up to 10 profiles)	Multiple streaming (Up to 10 profiles)	Multiple streaming (Up to 10 profiles)	Multiple streaming (Up to 10 profiles)	Multiple streaming (Up to 10 profiles)	Multiple streaming (Up to 10 profiles)
Streaming Method	Unicast / Multicast	Unicast / Multicast	Unicast / Multicast	Unicast / Multicast	Unicast / Multicast	Unicast / Multicast
Max. Resolution	1280 x 1024	1280 x 1024	1280 x 1024	1280 x 1024	1280 x 1024	1280 x 1024
Max. Frame Rate	30fps at all resolutions	30fps at 720P	30fps at all resolutions	30fps at all resolutions	30fps at all resolutions	30fps at all resolutions
Audio I/O	Bi-directional	N/A	Bi-directional	N/A	N/A	N/A
Memory Slot	Yes (SD/SDHC)	N/A	Yes (SD/SDHC)	N/A	N/A	N/A
Alarm I/O	1 / 1	1 / 1	1 / 1	1 / 0	1 / 0	1 / 0
Motion Detection	Yes	Yes	Yes	Yes	Yes	Yes
Intelligent Video Analytics	Scene change, Virtual line, Enter / Exit, Appear / Disappear	Scene change, Virtual line, Enter / Exit, Appear / Disappear	Scene change, Virtual line, Enter / Exit, Appear / Disappear	Tampering (20fps)	Tampering (20fps)	Tampering (20fps)
ONVIF	Yes	Yes	Yes	Yes	Yes	Yes
Security	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1x authentication	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1x authentication	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1x authentication	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1x authentication	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1x authentication
Environmental Protection	N/A	IP66	N/A	N/A	N/A	N/A
Operating Temperature	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)
Power	12V DC, PoE (IEEE802.3af)	24V AC,12V DC, PoE (IEEE802.3af)	24V AC,12V DC, PoE (IEEE802.3af)	12V DC, PoE (IEEE802.3af)	12V DC, PoE (IEEE802.3af)	PoE (IEEE802.3af, Class1)

Network Camera Selection

	1.3Megapixel				
	Vandal-Resistant		IR Vandal-Resistant	PTZ	
	SNV-5080	SNV-5010	SNV-5080R	SNP-5300/5300H	SNP-5200/5200H
					
Imaging Device	1/3" 1.3M PS CMOS	1/3" 1.3M PS CMOS	1/3" 1.3M PS CMOS	1/4" 1.3M Exmor CMOS	1/3" 1.3M PS CMOS
Min. Illumination (50 IRE)	Color : 0.3Lux B/W : 0.01Lux	1Lux	Color : 0.3Lux B/W : 0Lux (IR LED on)	Color : 0.5Lux B/W : 0.03Lux	Color : 0.7Lux B/W : 0.08Lux
Day & Night	Yes (ICR)	N/A	Yes (ICR)	Yes (ICR)	Yes (ICR)
Wide Dynamic Range	N/A	N/A	N/A	Yes	N/A
Analog Video Output	CVBS 1.0Vp-p	DIP connector type	CVBS 1.0Vp-p	N/A	CVBS 1.0Vp-p
Lens	3.6x varifocal (2.8 ~ 10mm)	3mm fixed	2.8x motorized varifocal (3 ~ 8.5mm)	30x (3.5 ~ 105mm)	20x (4.45 ~ 89mm)
Video Compression Format	H.264, MPEG-4, MJPEG	H.264, MPEG-4, MJPEG	H.264, MPEG-4, MJPEG	H.264, MJPEG	H.264, MPEG-4, MJPEG
Streaming Capability	Multiple streaming (Up to 10 profiles)	Multiple streaming (Up to 10 profiles)	Multiple streaming (Up to 10 profiles)	Multiple streaming (Up to 10 profiles)	Multiple streaming (Up to 10 profiles)
Streaming Method	Unicast / Multicast	Unicast / Multicast	Unicast / Multicast	Unicast / Multicast	Unicast / Multicast
Max. Resolution	1280 x 1024	1280 x 1024	1280 x 1024	1280 x 1024	1280 x 1024
Max. Frame Rate	30fps at all resolutions	30fps at all resolutions	30fps at all resolutions	30fps	30fps at all resolutions
Audio I/O	Bi-directional	N/A	Bi-directional	Bi-directional	Bi-directional
Memory Slot	Yes (SD/SDHC)	N/A	Yes (SD/SDHC)	Yes (SD/SDHC)	Yes (SD/SDHC)
Alarm I/O	1 / 1	N/A	1 / 1	4 / 2	4 / 2
Motion Detection	Yes	Yes	Yes	Yes	Yes
Intelligent Video Analytics	Scene change, Virtual line, Enter / Exit, Appear / Disappear	Scene change, Virtual line, Enter / Exit, Appear / Disappear	Scene change, Virtual line, Enter / Exit, Appear / Disappear	Tampering, Virtual line, Enter / Exit, Appear / Disappear, Audio detection, Face detection	Scene change, Virtual line, Enter / Exit, Appear / Disappear
ONVIF	Yes	Yes	Yes	Yes	Yes
Security	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1x authentication	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1x authentication	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1x authentication	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1x authentication	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1x authentication
Environmental Protection	IP66, IK10	IP66, IK10	IP66, IK10	IP66 (SNP-5300H)	IP66, IK10 (SNP-5200H)
Operating Temperature	24V AC : -40°C ~ +55°C (-40°F ~ +131°F) 12V DC, PoE : -10°C ~ +55°C (+14°F ~ +131°F) *Heater works at AC input only	-10°C ~ +55°C (+14°F ~ +131°F)	24V AC : -40°C ~ +55°C (-40°F ~ +131°F) 12V DC, PoE : -10°C ~ +55°C (+14°F ~ +131°F) *Heater works at AC input only	-10°C ~ +55°C (+14°F ~ +131°F) (SNP-5300) -30°C ~ +55°C (-22°F ~ +131°F) (SNP-5300H, Heater on, PoE+) -50°C ~ +55°C (-58°F ~ +131°F) (SNP-5300H, Heater on, 24V AC)	-10°C ~ +55°C (+14°F ~ +131°F) (SNP-5200) -10°C ~ +55°C (+14°F ~ +131°F) (Heater off) (SNP-5200H) -50°C ~ +55°C (-58°F ~ +131°F) (Heater on) (SNP-5200H) *Heater works at AC input only
Power	24V AC,12V DC, PoE (IEEE802.3af)	12V DC, PoE (IEEE802.3af)	24V AC,12V DC, PoE (IEEE802.3af)	24V AC, PoE+ (IEEE802.3at)	24V AC, PoE+ (IEEE802.3at)

	4CIF				
	Box	Dome	Vandal-Resistant		PTZ
	SNB-3002	SND-3082/3082F	SNV-3120	SNV-3082	SNP-3371TH/3371H
					
Imaging Device	1/3" Super HAD PS CCD	1/3" Super HAD PS CCD	1/4" Ex-view HAD PS CCD	1/3" Super HAD PS CCD	1/4" Vertical double density interline CCD
Min. Illumination (50 IRE)	Color : 0.4Lux B/W : 0.04Lux	Color : 0.4Lux B/W : 0.04Lux	Color : 0.7Lux B/W : 0.07Lux	Color : 0.4Lux B/W : 0.04Lux	Color : 0.7Lux B/W : 0.07Lux
Day & Night	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)
Wide Dynamic Range	Yes	Yes	Yes	Yes	Yes
Analog Video Output	CVBS 1.0Vp-p	CVBS 1.0Vp-p	CVBS 1.0Vp-p	CVBS 1.0Vp-p	CVBS 1.0Vp-p
Lens	Optional	3.9x varifocal (2.8 ~ 11mm)	12x (3.69 ~ 44.32mm)	3.9x varifocal (2.8 ~ 11mm)	37x (3.5 ~ 129.5mm)
Video Compression Format	H.264, MPEG-4, MJPEG	H.264, MPEG-4, MJPEG	H.264, MPEG-4, MJPEG	H.264, MPEG-4, MJPEG	H.264, MPEG-4, MJPEG
Streaming Capability	Multiple streaming (Up to 10 profiles)	Multiple streaming (Up to 10 profiles)	Multiple streaming (Up to 10 profiles)	Multiple streaming (Up to 10 profiles)	Multiple streaming (Up to 10 profiles)
Streaming Method	Unicast / Multicast	Unicast / Multicast	Unicast / Multicast	Unicast / Multicast	Unicast / Multicast
Max. Resolution	704 x 480 (704 x 576)	704 x 480 (704 x 576)	704 x 480 (704 x 576)	704 x 480 (704 x 576)	704 x 480 (704 x 576)
Max. Frame Rate	30fps at all resolutions	30fps at all resolutions	30fps at all resolutions	30fps at all resolutions	30fps (25fps)
Audio I/O	Bi-directional	Bi-directional	Bi-directional	Bi-directional	Bi-directional
Memory Slot	Yes (SD/SDHC)	Yes (SD/SDHC)	Yes (SD/SDHC)	Yes (SD/SDHC)	Yes (SD/SDHC)
Alarm I/O	1 / 1	1 / 1	1 / 1	1 / 1	4 / 2
Motion Detection	Yes	Yes	Yes	Yes	Yes
Intelligent Video Analytics	Tampering	Tampering	Moved / Fixed	Tampering	Virtual line, Enter / Exit, Appear / Disappear
ONVIF	Yes	Yes	Yes	Yes	Yes
Security	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1x authentication	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1x authentication	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1x authentication	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1x authentication
Environmental Protection	N/A	N/A	IP66, IK10	IP66, IK10	IP66, IK10
Operating Temperature	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	24V AC : -40°C ~ +55°C (-40°F ~ +131°F) 12V DC, PoE : -10°C ~ +55°C (+14°F ~ +131°F) *Heater works at AC input only	24V AC : -50°C ~ +55°C (-58°F ~ +131°F) 12V DC, PoE : -10°C ~ +55°C (+14°F ~ +131°F) *Heater works at AC input only	-10°C ~ +55°C (+14°F ~ +131°F) (Heater off) -50°C ~ +55°C (-58°F ~ +131°F) (Heater on) *Heater works at AC input only
Power	24V AC,12V DC, PoE (IEEE802.3af)	24V AC,12V DC, PoE (IEEE802.3af)	24V AC,12V DC, PoE (IEEE802.3af)	24V AC,12V DC, PoE (IEEE802.3af)	24V AC, PoE+ (IEEE802.3at)

Network Camera Selection

	4CIF				
	PTZ				
	SNP-3371	SNP-3302H	SNP-3302	SNP-3120	SNP-3120VH
					
Imaging Device	1/4" Vertical double density interline CCD	1/4" Vertical double density interline CCD	1/4" Vertical double density interline CCD	1/4" Ex-view HAD PS CCD	1/4" Ex-view HAD PS CCD
Min. Illumination (50 IRE)	Color : 0.7Lux B/W : 0.07Lux	Color : 0.7Lux B/W : 0.07Lux	Color : 0.7Lux B/W : 0.07Lux	Color : 0.7Lux B/W : 0.07Lux	Color : 0.7Lux B/W : 0.07Lux
Day & Night	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)
Wide Dynamic Range	Yes	Yes	Yes	Yes	Yes
Analog Video Output	CVBS 1.0Vp-p	CVBS 1.0Vp-p	CVBS 1.0Vp-p	CVBS 1.0Vp-p	CVBS 1.0Vp-p
Lens	37x (3.5 ~ 129.5mm)	30x (3.5 ~ 105.3mm)	30x (3.5 ~ 105.3mm)	12x (3.69 ~ 44.32mm)	12x (3.69 ~ 44.32mm)
Video Compression Format	H.264, MPEG-4, MJPEG	H.264, MPEG-4, MJPEG	H.264, MPEG-4, MJPEG	H.264, MPEG-4, MJPEG	H.264, MPEG-4, MJPEG
Streaming Capability	Multiple streaming (Up to 10 profiles)	Multiple streaming (Up to 10 profiles)	Multiple streaming (Up to 10 profiles)	Multiple streaming (Up to 10 profiles)	Multiple streaming (Up to 10 profiles)
Streaming Method	Unicast / Multicast	Unicast / Multicast	Unicast / Multicast	Unicast / Multicast	Unicast / Multicast
Max. Resolution	704 x 480 (704 x 576)	704 x 480 (704 x 576)	704 x 480 (704 x 576)	704 x 480 (704 x 576)	704 x 480 (704 x 576)
Max. Frame Rate	30fps (25fps)	30fps (25fps)	30fps (25fps)	30fps at all resolutions	30fps at all resolutions
Audio I/O	Bi-directional	Bi-directional	Bi-directional	Bi-directional	Bi-directional
Memory Slot	Yes (SD/SDHC)	Yes (SD/SDHC)	Yes (SD/SDHC)	Yes (SD/SDHC)	Yes (SD/SDHC)
Alarm I/O	4 / 2	4 / 2	4 / 2	2 / 2	2 / 2
Motion Detection	Yes	Yes	Yes	Yes	Yes
Intelligent Video Analytics	Virtual line, Enter / Exit, Appear / Disappear	Virtual line, Enter / Exit, Appear / Disappear	Virtual line, Enter / Exit, Appear / Disappear	Moved / Fixed	Moved / Fixed
ONVIF	Yes	Yes	Yes	Yes	Yes
Security	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1x authentication	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1x authentication	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1x authentication	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log
Environmental Protection	N/A	IP66, IK10	N/A	N/A	IP66
Operating Temperature	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F) (Heater off) -50°C ~ +55°C (-58°F ~ +131°F) (Heater on) *Heater works at AC input only	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F) (Heater off) -50°C ~ +55°C (-58°F ~ +131°F) (Heater on) *Heater works at AC input only
Power	24V AC, PoE+ (IEEE802.3at)	24V AC, PoE+ (IEEE802.3at)	24V AC, PoE+ (IEEE802.3at)	24V AC, PoE+ (IEEE802.3at)	24V AC, PoE+ (IEEE802.3at)

	VGA					
	Box	IR Bullet	Dome		Vandal-Resistant	IR Vandal-Resistant
	SNB-1001	SNO-1080R	SND-1080	SND-1011	SNV-1080	SNV-1080R
						
Imaging Device	1/4" PS CMOS	1/4" PS CMOS	1/4" PS CMOS	1/4" PS CMOS	1/4" PS CMOS	1/4" PS CMOS
Min. Illumination (50 IRE)	0.7Lux	Color : 0.7Lux B/W : 0Lux (IR LED on)	0.7Lux	0.7Lux	0.7Lux	Color : 0.7Lux B/W : 0Lux (IR LED on)
Day & Night	Yes (Electrical)	Yes (ICR)	Yes (Electrical)	Yes (Electrical)	Yes (Electrical)	Yes (ICR)
Wide Dynamic Range	N/A	N/A	N/A	N/A	N/A	N/A
Analog Video Output	DIP connector type	SMD connector type	DIP connector type	DIP connector type	DIP connector type	DIP connector type
Lens	Optional	3.5x varifocal (2.2 ~ 7.7mm)	3.5x varifocal (2.2 ~ 7.7mm)	3mm fixed	3.5x varifocal (2.2 ~ 7.7mm)	3.5x varifocal (2.2 ~ 7.7mm)
Video Compression Format	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG
Streaming Capability	Multiple streaming (Up to 10 profiles)	Multiple streaming (Up to 10 profiles)	Multiple streaming (Up to 10 profiles)	Multiple streaming (Up to 10 profiles)	Multiple streaming (Up to 10 profiles)	Multiple streaming (Up to 10 profiles)
Streaming Method	Unicast / Multicast	Unicast / Multicast	Unicast / Multicast	Unicast / Multicast	Unicast / Multicast	Unicast / Multicast
Max. Resolution	640 x 480	640 x 480	640 x 480	640 x 480	640 x 480	640 x 480
Max. Frame Rate	30fps at all resolutions	30fps at all resolutions	30fps at all resolutions	30fps at all resolutions	30fps at all resolutions	30fps at all resolutions
Audio I/O	Bi-directional	N/A	Bi-directional	N/A	Bi-directional	Bi-directional
Memory Slot	Yes (Micro SD/SDHC)	N/A	Yes (Micro SD/SDHC)	Yes (Micro SD/SDHC)	Yes (Micro SD/SDHC)	Yes (Micro SD/SDHC)
Alarm I/O	1 / 0	1 / 0	1 / 0	1 / 0	1 / 0	1 / 0
Motion Detection	Yes	Yes	Yes	Yes	Yes	Yes
Intelligent Video Analytics	Face detection	Face detection	Face detection	Face detection	Face detection	Face detection
ONVIF	Yes	Yes	Yes	Yes	Yes	Yes
Security	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1x authentication	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1x authentication	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1x authentication	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1x authentication	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1x authentication	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1x authentication
Environmental Protection	N/A	IP66	N/A	N/A	IP66, IK10	IP66, IK10
Operating Temperature	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)
Power	12V DC, PoE (IEEE802.3af)	12V DC, PoE (IEEE802.3af)	12V DC, PoE (IEEE802.3af)	12V DC, PoE (IEEE802.3af)	12V DC, PoE (IEEE802.3af)	12V DC, PoE (IEEE802.3af)

SNB-7002

3Megapixel Full HD Network Camera



* Lens not included

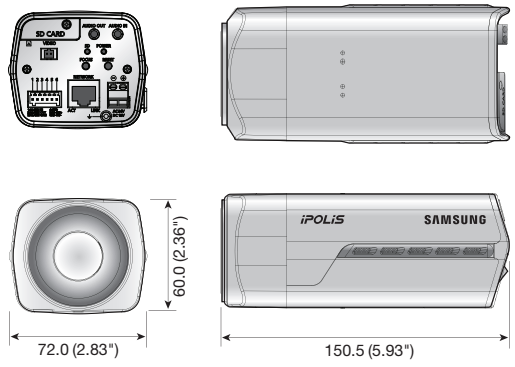
3M | Full HD 1080p | D&N ICR | WDR | PoE

Key Features

- Max. 3M (2048 x 1536) resolution
- 16 : 9 Full HD (1080p) resolution support
- H.264, MJPEG dual codec
- Multiple streaming
- Smart compression (ROI encoding)
- Audio / Face / Motion detection
- Simple focus, UPnP, PoE, Bi-directional audio support

Dimensions

Unit : mm (inch)



Available Lenses / Accessories (Optional)



Technical Specifications

	SNB-7002N/P
VIDEO	
Imaging Device	1/3" 3.1M PS CMOS
Total Pixels	2,064(H) x 1,578(V)
Effective Pixels	2,052(H) x 1,536(V)
Scanning System	Progressive
Min. Illumination	Color : 0.7Lux (F1.2, 50IRE), 0.011Lux (Sens-up 60x) B/W : 0.07Lux (F1.2, 50IRE), 0.001Lux (Sens-up 60x)
S / N Ratio	50dB
Video Output	CVBS : 1.0 Vp-p / 75Ω composite (DIP connector type), 704 x 480(N), 704 x 576(P), for installation
LENS	
Focus Cotrol	Manual / Simple focus / Day & Night
Lens Type	Manual / DC auto iris
Mount Type	C / CS
OPERATIONAL	
Camera Title	Off / On (Displayed up to 15 characters)
Day & Night	Auto (ICR) / Color / B/W / External
Backlight Compensation	Off / BLC / HLC / WDR
Wide Dynamic Range	Off / On (96dB) 3M mode : 20fps, 2M mode : 30fps
Contrast Enhancement	SSDR (Samsung Super Dynamic Range) (Off / On)
Digital Noise Reduction	SSNRIII (2D+3D noise filter) (Off / On)
Motion Detection	Off / On (4 rectangular zones)
Privacy Masking	Off / On (1ea 4 point polygonal + 16ea rectangular zones)
Sens-up (Frame Integration)	Off / Auto (2x ~ 60x)
Gain Control	Off / Low / Medium / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Auto / A.FLK / Manual (1/30 ~ 12,000sec)
Flip / Mirror	Off / On
Intelligent Video Analytics	Audio detection, Face detection, Tampering, Virtual line, Enter / Exit, Appear / Disappear
Alarm I/O	Digital 1/1
Remote Control Interface	RS-485
RS-485 Protocol	Samsung-T/E, Pelco-P/D, Sungjin
Alarm Triggers	Motion detection, Video analytics, Sensor input
Alarm Events	File upload via FTP, E-mail / Notification via E-mail, TCP / Local storage (SD/SDHC) recording at network disconnected
NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264 (MPEG-4 part 10/AVC), MJPEG
Resolution	3M mode - 2048 x 1536, 1920 x 1080, 1600 x 1200, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768, 800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180 2M mode - 1920 x 1080, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768, 800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180
Max. Framerate	3M mode - H.264 : Max. 20fps at all resolutions MJPEG : 800 x 600 ~ 320 x 180 - 20fps, 1024 x 768 ~1920 x 1080 - 15fps 2048 x 1536 - 10fps 2M mode - H.264 : Max. 30fps at all resolutions MJPEG : 800 x 600 ~ 320 x 180 - 30fps, 1024 x 768 ~ 1920 x 1080 - 15fps
Smart Codec	Yes (Area based method)
Video Quality Adjustment	H.264 : Compression level, Target bitrate level control, MJPEG : Quality level control
Bitrate Control Method	H.264 : CBR or VBR, MJPEG : VBR
Streaming Capability	Multiple streaming (Up to 6 profiles)
Audio I/O	Mic / Line in, Line out, Built-in mic.
Audio Compression Format	G.711 u-law, G.726 (16Kbps, 24Kbps, 32Kbps, 40Kbps)
Audio Communication	Bi-directional audio
IP	IPv4, IPv6
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP
Security	HTTPS(SSL) login authentication, Digest login authentication IP address filtering, User access log, 802.1x authentication
Streaming Method	Unicast / Multicast
Max. User Access	10 users at unicast mode
Memory Slot	SD/SDHC memory slot
ONVIF Conformance	Yes (Profile S)
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek, Norwegian, Finnish
Web Viewer	Supported OS : Windows XP / VISTA / 7, MAC OS X 10.7 or higher Supported Browser : Internet explorer 7.0 or higher, Firefox 9.0 or higher, Chrome 15.0 or higher, Safari 5.1 or higher
Central Management Software	NET-i viewer, SSM (Samsung Security Manager)
ENVIRONMENTAL	
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH
Storage Temperature / Humidity	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH
ELECTRICAL	
Input Voltage / Current	24V AC, 12V DC, PoE (IEEE802.3af)
Power Consumption	Max. 9W (24V AC, 12V DC, PoE (Class3))
MECHANICAL	
Color / Material	Dark gray / Aluminum
Dimensions (WxHxD)	72.0 x 60.0 x 150.5mm (2.83" x 2.36" x 5.93")
Weight	468g (1.03 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

SNB-7001

3Megapixel Full HD Network Camera



* Lens not included

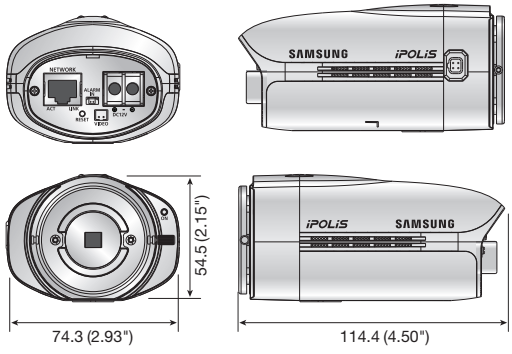
3M | Full HD 1080p | E-D&N | PoE

Key Features

- Max. 3M (2048 x 1536) resolution
- 16 : 9 Full HD (1080p) resolution support
- H.264, MJPEG dual codec
- Multiple streaming
- Smart compression (ROI encoding)
- Tampering
- PoE

Dimensions

Unit : mm (inch)



Available Lenses / Accessories (Optional)



Technical Specifications

	SNB-7001N/P
VIDEO	
Imaging Device	1/2.8" 3M PS CMOS
Total Pixels	2,144(H) x 1,588(V)
Effective Pixels	2,096(H) x 1,561(V)
Scanning System	Progressive
Min. Illumination	0.4Lux (F1.2, 50IRE), 0.007Lux (Sens-up 60x)
Video Output	CVBS : 1.0 Vp-p / 75Ω composite, 704 x 480(N), 704 x 576(P), for installation
LENS	
Lens Type	Manual / DC auto iris
Mount Type	C / CS
OPERATIONAL	
Camera Title	Off / On (Displayed up to 15 characters)
Day & Night	Auto (Electrical) / Color / B/W
Backlight Compensation	Off / BLC
Digital Noise Reduction	SSNR (Off / On)
Motion Detection	Off / On (4 programmable zones, 3M 15fps, 2M 20fps)
Privacy Masking	Off / On (12 rectangular zones)
Sens-up (Frame Integration)	Off / Auto (2x ~ 60x)
Gain Control	Off / Low / Medium / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Auto / A.FLK / Manual (1/30 ~ 12,000sec)
Flip / Mirror	Off / On
Intelligent Video Analytics	Tampering (3M 15fps, 2M 20fps)
Alarm I/O	Input 1ea
NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264, MJPEG
Resolution	3M mode - 2048 x 1536, 1920 x 1080P (Full HD), 1600 x 1200, 1280 x 1024, 1280 x 960, 1280 x 720P (HD), 1024 x 768, 800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180 2M mode - 1920 x 1080P (Full HD), 1280 x 1024, 1280 x 960, 1280 x 720P (HD), 1024 x 768, 800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180
Max. Framerate	3M mode - H.264 : Max. 20fps at all resolutions MJPEG : 800 x 600 ~ 320 x 180 - 20fps, 1280 x 1024 ~1920 x 1080 - 15fps 2048 x 1536 - 10fps 2M mode - H.264 : Max. 30fps at all resolutions MJPEG : 800 x 600 ~ 320 x 180 - 30fps, 1280 x 1024 ~ 1920 x 1080 - 15fps
Smart Codec	Yes (Area based method)
Video Quality Adjustment	H.264 : Compression level, Target bitrate level control MJPEG : Quality level control
Bitrate Control Method	H.264 : CBR or VBR, MJPEG : VBR
Streaming Capability	Multiple streaming (Up to 5 profiles)
IP	IPv4, IPv6
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS
Security	HTTPS(SSL) login authentication, Digest login authentication IP address filtering, User access log, 802.1x authentication
Streaming Method	Unicast / Multicast
Max. User Access	10 users at unicast mode
ONVIF Conformance	Yes
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek, Norwegian, Finnish
Web Viewer	Supported OS : Windows XP / VISTA / 7, MAC OS 10.7 or higher Supported Browser : Internet Explorer 7.0 or Higher, Firefox 9 or higher, Google Chrome 15 or higher, Apple Safari 5.1 or higher
Central Management Software	NET-i viewer
ENVIRONMENTAL	
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH
Storage Temperature / Humidity	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH
ELECTRICAL	
Input Voltage / Current	12V DC, PoE (IEEE802.3af)
Power Consumption	Max. 3.7W (12V DC), Max. 4.3W (PoE)
MECHANICAL	
Color / Material	Black, Silver / Aluminium, Plastic
Dimensions (WxHxD)	74.3 x 54.5 x 114.4mm (2.93" x 2.15" x 4.50")
Weight	170g (0.42 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

SNB-6004

2Megapixel Full HD Network Camera



* Lens not included

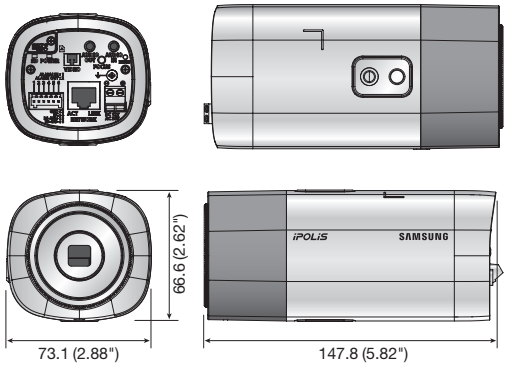
2M | Full HD 1080p | D&N ICR | WDR | PoE

Key Features

- Max. 2M (1920 x 1080) resolution
- 16 : 9 Full HD (1080p) resolution support
- H.264, MJPEG dual codec, Multiple streaming
- Audio / Face / Motion detection
- Simple focus, P-Iris, UPnP, Defog
- SD/SDHC/SDXC memory slot
- Multi-crop streaming
- PoE, Bi-directional audio support

Dimensions

Unit : mm (inch)



Available Lenses / Accessories (Optional)



Technical Specifications

	SNB-6004N/P
VIDEO	
Imaging Device	1/2.8" PS Exmor 2.38M CMOS
Total Pixels	1,952(H) x 1,116(V)
Effective Pixels	1,944(H) x 1,104(V)
Scanning System	Progressive
Min. Illumination	Color : 0.1Lux (F1.2, 50IRE), B/W : 0.01Lux (F1.2, 50IRE)
S / N Ratio	50dB
Video Output	CVBS : 1.0 Vp-p / 75Ω composite, 704 x 480(N), 704 x 576(P), for installation DIP connector type
LENS	
Focus Control	Simple focus / Manual, Button control (Manual, Simple focus, Day & Night)
Lens Type	Manual / DC auto iris, P-Iris
Mount Type	C / CS
OPERATIONAL	
Camera Title	Off / On (Displayed up to 45 characters)
Day & Night	Auto (ICR) / Color / B/W / External / Schedule
Backlight Compensation	Off / BLC
Wide Dynamic Range	100dB↑
Contrast Enhancement	SSDR (Samsung Super Dynamic Range) (Off / On)
Digital Noise Reduction	SSNRIII (2D+3D noise filter) (Off / On)
Digital Image Stabilization	Off / On
Defog	Off / Auto / Manual
Motion Detection	Off / On (4ea 4points polygonal zones)
Privacy Masking	Off / On (32zones with 4points of polygonal)
Gain Control	Off / Low / Middle / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Minimum / Maximum / Anti flicker (2 ~ 1/12,000sec)
Flip / Mirror	Off / On
Intelligent Video Analytics	Tampering, Virtual line, Enter/Exit, Appear / Disappear, Audio detection, Face detection
Alarm I/O	Input 1ea / Output 1ea
Remote Control Interface	RS-485
RS-485 Protocol	Samsung-T/E, Pelco-P/D, Sungjin
Alarm Triggers	Motion detection, Audio detection, Face detecton, Video analytics, Alarm input, Network disconnection
Alarm Events	File upload via FTP and E-mail, Notification via E-mail, TCP and HTTP, Local storage (SD/SDHC/SDXC) recording at Network disconnected & Event (Alarm triggers), External output
NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264 (MPEG-4 part 10/AVC), MJPEG
Resolution	1920 x 1080, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768, 800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180
Max. Framerate	H.264 : Max. 60fps at all resolutions MJPEG : 1920 x 1080, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768 : Max. 15fps 800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180 : Max.30fps
Video Quality Adjustment	H.264 : Compression level, Target bitrate level control, MJPEG : Quality level control
Bitrate Control Method	H.264 : CBR or VBR, MJPEG : VBR
Streaming Capability	Multiple streaming (Up to 10 profiles)
Audio I/O	Selectable (Mic in / Line in), Max output level : 1 Vrms Supply voltage : 3.3V DC (4mA), Input impedance : approx. 2K Ohm
Audio Compression Format	G.711 u-law /G.726 selectable, G.726 (ADPCM) 8KHz, G.711 8KHz G.726 : 16Kbps, 24Kbps, 32Kbps, 40Kbps
Audio Communication	Bi-directional audio
IP	IPv4, IPv6
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP,RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, PIM-SM, UPnP, Bonjour
Security	HTTPS(SSL) login authentication, Digest login authentication IP address filtering, User access log, 802.1x authentication
Streaming Method	Unicast / Multicast
Max. User Access	15 users at unicast mode
Memory Slot	Micro SD/SDHC/SDXC Motion images recorded in the SDXC/SDHC/SD memory card can be downloaded
Application Programming Interfac	ONVIF profile S, HTTP API v2.0, SVNP 1.2
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek, Norwegian, Finnish, Norwegian
Web Viewer	Supported OS : Windows XP / VISTA / 7 / 8, MAC OS X 10.7 Supported Browser : Microsoft Internet Explorer (Ver. 10, 9, 8, 7), Mozilla Firefox (Ver. 19, 18, 17, 16, 15, 14, 13, 12, 11, 10, 9), Google Chrome (Ver. 25, 24, 23, 22, 21, 20, 19, 18, 17,16, 15), Apple Safari (Ver. 6.0.2(Mac OS X 10.8, 10.7 only), 5.1.7) * Mac OS X only
Central Management Software	SmartViewer 4.0
ENVIRONMENTAL	
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH
Storage Temperature / Humidity	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH
ELECTRICAL	
Input Voltage / Current	24V AC, 12V DC, PoE (IEEE802.3af class3)
Power Consumption	Max. 12.5W (24V AC), Max. 10.5W (12V DC), Max. 12.0W (PoE, Class3)
MECHANICAL	
Color / Material	Black, Ivory / Aluminium, Plastic
Dimensions (WxHxD)	73.1 x 66.6 x 147.8mm (2.88" x 2.62" x 5.82")
Weight	395g (0.87 lb)

* Data recorded on an SD memory card may be lost or damaged by data access during power-off, mechanical shock, memory card detachment, or other operations. Data loss or damage can also occur when a memory card reaches end of life, which varies according to operational conditions. No guarantee is given against damage (including passive damage).

* The latest product information / specification can be found at www.samsungsecurity.com

SNB-6003

2Megapixel Full HD Network Camera



* Lens not included

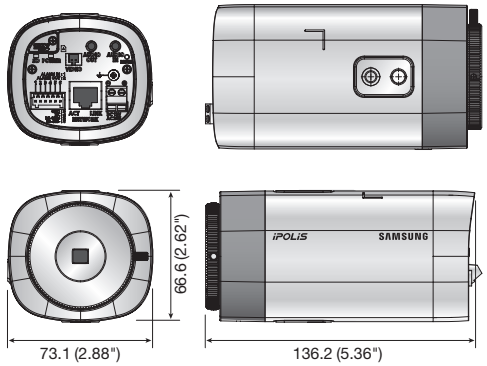
2M | Full HD 1080p | E-D&N | WDR | PoE

Key Features

- Max. 2M (1920 x 1080) resolution
- 16 : 9 Full HD (1080p) resolution support
- H.264, MJPEG dual codec, Multiple streaming
- Audio / Face / Motion detection
- P-Iris, UPnP, Defog
- SD/SDHC/SDXC memory slot
- Multi-crop streaming
- PoE, Bi-directional audio support

Dimensions

Unit : mm (inch)



Available Lenses / Accessories (Optional)



SLA-M3180DN | SHB-4300H1/4300H2/4300H3 | SHB-4200/4200H

use with | or

STB-400 | STH-500 | STH-200 | STB-4150V

Technical Specifications

	SNB-6003N/P
VIDEO	
Imaging Device	1/2.8" PS Exmor 2.38M CMOS
Total Pixels	1,952(H) x 1,116(V)
Effective Pixels	1,944(H) x 1,104(V)
Scanning System	Progressive
Min. Illumination	Color : 0.1Lux (F1.2, 50IRE), B/W : 0.1Lux (F1.2, 50IRE)
S / N Ratio	50dB
Video Output	CVBS : 1.0 Vp-p / 75Ω composite, 704 x 480(N), 704 x 576(P), for installation DIP connector type
LENS	
Focus Control	Manual
Lens Type	Manual / DC auto iris, P-Iris
Mount Type	C / CS
OPERATIONAL	
Camera Title	Off / On (Displayed up to 45 characters)
Day & Night	Auto (Electrical) / Color / B/W / External / Schedule
Backlight Compensation	Off / BLC
Wide Dynamic Range	100dB↑
Contrast Enhancement	SSDR (Samsung Super Dynamic Range) (Off / On)
Digital Noise Reduction	SSNRIII (2D+3D noise filter) (Off / On)
Digital Image Stabilization	Off / On
Defog	Off / Auto / Manual
Motion Detection	Off / On (4ea 4points polygonal zones)
Privacy Masking	Off / On (32zones with 4points of polygonal)
Gain Control	Off / Low / Middle / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Minimum / Maximum / Anti flicker (2 ~ 1/12,000sec)
Flip / Mirror	Off / On
Intelligent Video Analytics	Tampering, Virtual line, Enter/Exit, Appear / Disappear, Audio detection, Face detection
Alarm I/O	Input 1ea / Output 1ea
Remote Control Interface	RS-485
RS-485 Protocol	Samsung-T/E, Pelco-P/D, Sungjin
Alarm Triggers	Motion detection, Audio detection, Face detecton, Video analytics, Alarm input, Network disconnection
Alarm Events	File upload via FTP and E-mail, Notification via E-mail, TCP and HTTP, Local storage (SD/SDHC/SDXC) recording at Network disconnected & Event (Alarm triggers), External output
NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264 (MPEG-4 part 10/AVC), MJPEG
Resolution	1920 x 1080, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768, 800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180
Max. Framerate	H.264 : Max. 60fps at all resolutions MJPEG : 1920 x 1080, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768 : Max. 15fps 800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180 : Max.30fps
Video Quality Adjustment	H.264 : Compression level, Target bitrate level control, MJPEG : Quality level control
Bitrate Control Method	H.264 : CBR or VBR, MJPEG : VBR
Streaming Capability	Multiple streaming (Up to 10 profiles)
Audio I/O	Selectable (Mic in / Line in), Max output level : 1 Vrms Supply voltage : 3.3V DC (4mA), Input impedance : approx. 2K Ohm
Audio Compression Format	G.711 u-law /G.726 selectable, G.726 (ADPCM) 8KHz, G.711 8KHz G.726 : 16Kbps, 24Kbps, 32Kbps, 40Kbps
Audio Communication	Bi-directional audio
IP	IPv4, IPv6
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP,RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, PIM-SM, UPnP, Bonjour
Security	HTTPS(SSL) login authentication, Digest login authentication IP address filtering, User access log, 802.1x authentication
Streaming Method	Unicast / Multicast
Max. User Access	15 users at unicast mode
Memory Slot	Micro SD/SDHC/SDXC Motion images recorded in the SDXC/SDHC/SD memory card can be downloaded
Application Programming Interfac	ONVIF profile S, HTTP API v2.0, SVNP 1.2
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek, Norwegian, Finnish, Norwegian
Web Viewer	Supported OS : Windows XP / VISTA / 7 / 8, MAC OS X 10.7 Supported Browser : Microsoft Internet Explorer (Ver. 10, 9, 8, 7), Mozilla Firefox (Ver. 19, 18, 17, 16, 15, 14, 13, 12, 11, 10, 9), Google Chrome (Ver. 25, 24, 23, 22, 21, 20, 19, 18, 17,16, 15), Apple Safari (Ver. 6.0.2(Mac OS X 10.8, 10.7 only), 5.1.7) * Mac OS X only
Central Management Software	SmartViewer 4.0
ENVIRONMENTAL	
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH
Storage Temperature / Humidity	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH
ELECTRICAL	
Input Voltage / Current	24V AC, 12V DC, PoE (IEEE802.3af class3)
Power Consumption	Max. 10.5W (24V AC), Max. 8.5W (12V DC), Max. 10.0W (PoE, Class3)
MECHANICAL	
Color / Material	Black, Ivory / Aluminium, Plastic
Dimensions (WxHxD)	73.1 x 66.6 x 136.2mm (2.88" x 2.62" x 5.36")
Weight	330g (0.73 lb)

* Data recorded on an SD memory card may be lost or damaged by data access during power-off, mechanical shock, memory card detachment, or other operations. Data loss or damage can also occur when a memory card reaches end of life, which varies according to operational conditions. No guarantee is given against damage (including passive damage).

* The latest product information / specification can be found at www.samsungsecurity.com

SNB-5000

1.3Megapixel HD Network Camera



* Lens not included



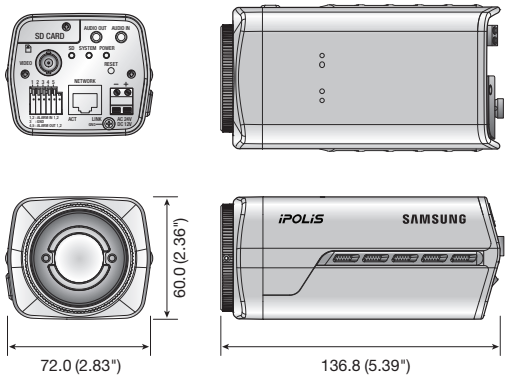


Key Features

- Max. 1.3M (1280 x 1024) resolution
- 16 : 9 HD (720p) resolution support
- H.264, MPEG-4, MJPEG multiple codec
- Multiple streaming
- Intelligent video analytics
- PoE, SD memory, Bi-directional audio support

Dimensions

Unit : mm (inch)



Available Lenses / Accessories (Optional)



SLA-M3180DN | SLA-M2882 | SHB-4300H1/4300H2/4300H3 | SHB-4200/4200H



STB-400 | use with | STH-500 | or | STH-200 | STB-4150V

Technical Specifications

	SNB-5000N/P
VIDEO	
Imaging Device	1/3" 1.3M PS CMOS
Total Pixels	1,384(H) x 1,076(V)
Effective Pixels	1,329(H) x 1,049(V)
Scanning System	Progressive
Min. Illumination	Color : 0.3Lux (F1.2, 50IRE), 0.005Lux (Sens-up 60x) B/W : 0.01Lux (F1.2, 50IRE), 0.0002Lux (Sens-up 60x)
S / N Ratio	50dB
Video Output	CVBS : 1.0 Vp-p / 75Ω composite, 704 x 480(N), 704 x 576(P), for installation
LENS	
Lens Type	Manual / DC auto iris
Mount Type	C / CS
OPERATIONAL	
Camera Title	Off / On (Displayed up to 15 characters)
Day & Night	Auto (ICR) / Color / B/W / External B/W
Backlight Compensation	Off / BLC / HLC
Contrast Enhancement	SSDR (Samsung Super Dynamic Range) (Off / On)
Digital Noise Reduction	SSNRIII (2D+3D noise filter) (Off / On)
Motion Detection	Off / On (4 programmable zones)
Privacy Masking	Off / On (12 programmable zones)
Sens-up (Frame Integration)	Off / Auto (2x ~ 60x)
Gain Control	Off / Low / Medium / High / Manual
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Auto / A.FLK / Manual (1/30 ~ 30,000sec)
Flip / Mirror	Off / On
Intelligent Video Analytics	Scene change, Virtual line, Enter / Exit, Appear / Disappear
Alarm I/O	Input 1ea / Output 1ea (Relay)
NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264, MPEG-4, MJPEG
Resolution	1280 x 1024, 1280 x 720P (HD), 800 x 600, 640 x 480, 320 x 240
Max. Framerate	H.264, MJPEG : 30fps MPEG-4 : 25fps (1280 x 1024), 30fps (720P HD)
Video Quality Adjustment	H.264, MPEG-4 : Compression level, Target bitrate level control MJPEG : Quality level control
Bitrate Control Method	H.264, MPEG-4 : CBR or VBR, MJPEG : VBR
Streaming Capability	Multiple streaming (Up to 10 profiles)
Audio I/O	Mic / Line in, Line out
Audio Compression Format	G.711 u-law
Audio Communication	Bi-directional audio
IP	IPv4, IPv6
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS
Security	HTTPS(SSL) login authentication, Digest login authentication IP address filtering, User access log, 802.1x authentication
Streaming Method	Unicast / Multicast
Max. User Access	10 users at unicast mode
Memory Slot	SD/SDHC memory slot
ONVIF Conformance	Yes
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek
Web Viewer	Supported OS : Windows XP / VISTA / 7, MAC OS Supported Browser : Internet Explorer 7.0/8.0, Firefox, Google Chrome, Apple Safari
Central Management Software	NET-i viewer
ENVIRONMENTAL	
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / 20% ~ 80% RH
ELECTRICAL	
Input Voltage / Current	12V DC, 24V AC, PoE (IEEE802.3af)
Power Consumption	Max. 6W
MECHANICAL	
Color / Material	Dark gray / Metal
Dimensions (WxHxD)	72.0 x 60.0 x 136.8mm (2.83" x 2.36" x 5.39")
Weight	440g (0.97 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

SNB-5001

1.3Megapixel HD Network Camera



* Lens not included

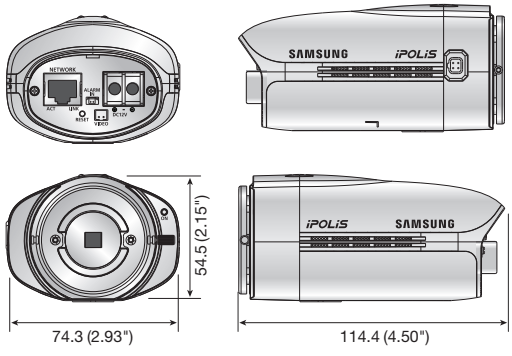
1.3M | HD 720p | E-D&N | PoE

Key Features

- Max. 1.3M (1280 x 1024) resolution
- 16 : 9 HD (720p) resolution support
- H.264, MJPEG dual codec
- Multiple streaming
- Tampering
- PoE

Dimensions

Unit : mm (inch)



Available Lenses / Accessories (Optional)



Technical Specifications

	SNB-5001N/P
VIDEO	
Imaging Device	1/3" 1.3M PS CMOS
Total Pixels	1,384(H) x 1,076(V)
Effective Pixels	1,329(H) x 1,049(V)
Scanning System	Progressive
Min. Illumination	0.7Lux (F1.2, 50IRE), 0.011Lux (Sens-up 60x)
Video Output	CVBS : 1.0 Vp-p / 75Ω composite, 704 x 480(N), 704 x 576(P), for installation
LENS	
Lens Type	Manual / DC auto iris
Mount Type	C / CS
OPERATIONAL	
Camera Title	Off / On (Displayed up to 15 characters)
Day & Night	Auto (Electrical) / Color / B/W
Backlight Compensation	Off / BLC
Digital Noise Reduction	SSNR (Off / On)
Motion Detection	Off / On (4 programmable zones, 20fps)
Privacy Masking	Off / On (12 rectangular zones)
Sens-up (Frame Integration)	Off / Auto (2x ~ 60x)
Gain Control	Off / Low / Medium / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Auto / A.FLK / Manual (1/30 ~ 12,000sec)
Flip / Mirror	Off / On
Intelligent Video Analytics	Tampering (20fps)
Alarm I/O	Input 1ea
NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264, MJPEG
Resolution	1280 x 1024, 1280 x 720P(HD), 1024 x 768, 800 x 600, 640 x 480, 320 x 240
Max. Framerate	30fps
Video Quality Adjustment	H.264 : Compression level, Target bitrate level control MJPEG : Quality level control
Bitrate Control Method	H.264 : CBR or VBR, MJPEG : VBR
Streaming Capability	Multiple streaming (Up to 10 profiles)
IP	IPv4, IPv6
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS
Security	HTTPS(SSL) login authentication, Digest login authentication IP address filtering, User access log, 802.1x authentication
Streaming Method	Unicast / Multicast
Max. User Access	10 users at unicast mode
ONVIF Conformance	Yes
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek, Norwegian, Finnish
Web Viewer	Supported OS : Windows XP / VISTA / 7, MAC OS 10.7 or higher Supported Browser : Internet Explorer 7.0 or Higher, Firefox 9 or higher, Google Chrome 15 or higher, Apple Safari 5.1 or higher
Central Management Software	NET-i viewer
ENVIRONMENTAL	
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH
Storage Temperature / Humidity	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH
ELECTRICAL	
Input Voltage / Current	12V DC, PoE (IEEE802.3af)
Power Consumption	Max. 3.7W (12V DC), Max. 4.3W (PoE)
MECHANICAL	
Color / Material	Black, Silver / Aluminium, Plastic
Dimensions (WxHxD)	74.3 x 54.5 x 114.4mm (2.93" x 2.15" x 4.50")
Weight	170g (0.42 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

SNB-3002

4CIF WDR Network Camera



* Lens not included

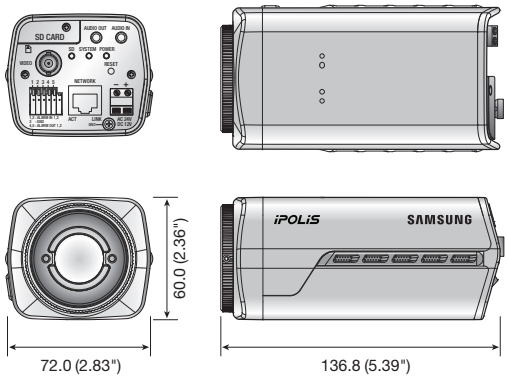
4CIF | D&N ICR | WDR | PoE

Key Features

- Max. 30(25)fps at 4CIF resolution
- H.264, MPEG-4, MJPEG multiple codec
- Multiple streaming
- Tampering
- PoE, SD memory, Bi-directional audio support

Dimensions

Unit : mm (inch)



Available Lenses / Accessories (Optional)



SLA-3580DN | SLA-2812DN | SLA-550DV | SLA-612DN | SLA-12240 | SLA-880



SHB-4300H1/4300H2/4300H3 | SHB-4200/4200H | STB-400 | use with | STH-500 | or | STH-200 | STB-4150V

Technical Specifications

	SNB-3002N	SNB-3002P
VIDEO		
Imaging Device	1/3" Super HAD PS CCD	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Scanning System	Progressive (If WDR on, Interlaced scan)	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 600TV lines	
Min. Illumination	Color : 0.4Lux (F1.2, 50IRE), 0.001Lux (Sens-up 512x) B/W : 0.04Lux (F1.2, 50IRE), 0.0001Lux (Sens-up 512x)	
S / N Ratio	52dB	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Lens Type	Manual / DC auto iris	
Mount Type	C / CS	
OPERATIONAL		
Camera Title	Off / On (Displayed up to 15 characters)	
Day & Night	Auto (ICR) / Color / B/W / External B/W	
Backlight Compensation	Off / BLC / WDR	
Wide Dynamic Range	52dB	
Contrast Enhancement	SSDR (Samsung Super Dynamic Range) (Off / On)	
Digital Noise Reduction	Motion adaptive 2D+3D noise filter (Off / Low / Middle / High / User)	
Digital Image Stabilization	Off / On	
Motion Detection	Off / On (4 programmable zones)	
Privacy Masking	Off / On (12 polygonal programmable zones, 4 point polygonal method)	
Sens-up (Frame Integration)	Off / Auto (2x ~ 512x)	
Gain Control	AGC (Low / Middle / High)	
White Balance	ATW1 / ATW2 / AWC / 3200°K / 5600°K	
Electronic Shutter Speed	Off / Auto (1/60 ~ 1/10,000sec)	Off / Auto (1/50 ~ 1/10,000sec)
Flip / Mirror	Off / On	
Intelligent Video Analytics	Tampering	
Alarm I/O	Input 1ea / Output 1ea (Relay)	
Remote Control Interface	RS-485	
RS-485 Protocol	Samsung-T/E, Pelco-P/D, Sungjin	
NETWORK		
Ethernet	RJ-45 (10/100BASE-T)	
Video Compression Format	H.264, MPEG-4, MJPEG	
Resolution	704 x 480, 640 x 480, 352 x 240	704 x 576, 640 x 480, 352 x 288
Max. Framerate	30fps	25fps
Video Quality Adjustment	H.264, MPEG-4 : Compression level, Target bitrate level control MJPEG : Quality level control	
Bitrate Control Method	H.264, MPEG-4 : CBR or VBR, MJPEG : VBR	
Streaming Capability	Multiple streaming (Up to 10 profiles)	
Audio I/O	Mic / Line in, Line out	
Audio Compression Format	G.711 u-law	
Audio Communication	Bi-directional audio	
IP	IPv4, IPv6	
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS	
Security	HTTPS(SSL) login authentication, Digest login authentication IP address filtering, User access log, 802.1x authentication	
Streaming Method	Unicast / Multicast	
Max. User Access	10 users at unicast mode	
Memory Slot	SD/SDHC memory slot	
ONVIF Conformance	Yes	
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek	
Web Viewer	Supported OS : Windows XP / VISTA / 7, MAC OS Supported Browser : Internet Explorer 7.0/8.0, Firefox, Google Chrome, Apple Safari	
Central Management Software	NET-i viewer	
ENVIRONMENTAL		
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / 20% ~ 80% RH	
Storage Temperature / Humidit	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH	
ELECTRICAL		
Input Voltage / Current	12V DC, 24V AC, PoE (IEEE802.3af)	
Power Consumption	Max. 6W	
MECHANICAL		
Color / Material	Silver / Metal	
Dimensions (WxHxD)	72.0 x 60.0 x 136.8mm (2.83" x 2.36" x 5.39")	
Weight	440g (0.97 lb)	

* The latest product information / specification can be found at www.samsungsecurity.com

SNB-1001

VGA Network Camera



* Lens not included

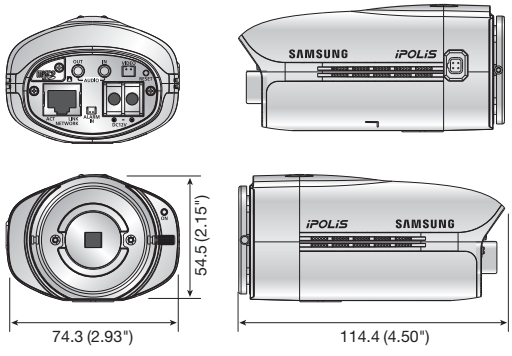
VGA | E-D&N | PoE

Key Features

- Max. 30fps at VGA resolution
- H.264, MJPEG dual codec
- Multiple streaming
- Face detection
- PoE, SD memory, Bi-directional audio support

Dimensions

Unit : mm (inch)



Available Lenses / Accessories (Optional)



SLA-3580DN | SLA-2812DN | SLA-550DV | SLA-612DN | SLA-12240 | SLA-880



SHB-4300H1/4300H2/4300H3 | SHB-4200/4200H | STB-400 | use with | STH-500 | or | STH-200 | STB-4150V

Technical Specifications

	SNB-1001N/P
VIDEO	
Imaging Device	1/4" PS CMOS
Total Pixels	680(H) x 512(V)
Effective Pixels	640(H) x 480(V)
Scanning System	Progressive
Min. Illumination	0.7Lux (F1.2, 50IRE)
S / N Ratio	50dB
Video Out	DIP connector type, for installation
LENS	
Lens Type	Manual / DC auto iris
Mount Type	C / CS
OPERATIONAL	
Camera Title	Off / On (Displayed up to 15 characters)
Day & Night	Auto (Electrical) / Color / B/W / External
Backlight Compensation	Off / BLC
Contrast Enhancement	SSDR (Samsung Super Dynamic Range) (Off / On)
Digital Noise Reduction	SSNRIII (2D+3D noise filter) (Off / On)
Motion Detection	Off / On (4 programmable zones)
Privacy Masking	Off / On (32ea 4 points polygonal)
Sens-up (Frame Integration)	Off / Auto (2x ~ 60x)
Gain Control	Off / Low / Medium / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Auto / A.FLK / Manual (60x ~ 1/12,000sec)
Flip / Mirror	Off / On
Intelligent Video Analytics	Face detection
Alarm I/O	Input 1ea
NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264, MJPEG
Resolution	640 x 480, 320 x 240, 160 x 120
Max. Framerate	Max. 30fps at all resolutions
Video Quality Adjustment	H.264 : Compression level, Target bitrate level control MJPEG : Quality level control
Bitrate Control Method	H.264 : CBR or VBR, MJPEG : VBR
Streaming Capability	Multiple streaming (Up to 10 profiles)
Audio I/O	Mic/Line in , Line out
Audio Compression Format	G.711 u-law
Audio Communication	Bi-directional audio
IP	IPv4, IPv6
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS
Security	HTTPS(SSL) login authentication, Digest login authentication IP address filtering, User access log, 802.1x Authentication
Streaming Method	Unicast / Multicast
Max. User Access	10 users at unicast mode
Memory Slot	Micro SD/SDHC memory slot
ONVIF Conformance	Yes
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek
Web Viewer	Supported OS : Windows XP / VISTA / 7, MAC OS Supported Browser : Internet Explorer 7.0/8.0, Firefox, Google Chrome, Apple Safari
Central Management Software	NET-i viewer
ENVIRONMENTAL	
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / 20% ~ 80% RH
ELECTRICAL	
Input Voltage / Current	12V DC / PoE (IEEE802.3af)
Power Consumption	Max. 3.4W (12V DC), Max. 4W (PoE)
MECHANICAL	
Color / Material	Black, Silver / Aluminium, Plastic
Dimensions (WxHxD)	74.3 x 54.5 x 114.4mm (2.93" x 2.15" x 4.50") excluding projections
Weight	190g (0.42 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

SNZ-5200

1.3Megapixel HD 20x Network Zoom Camera



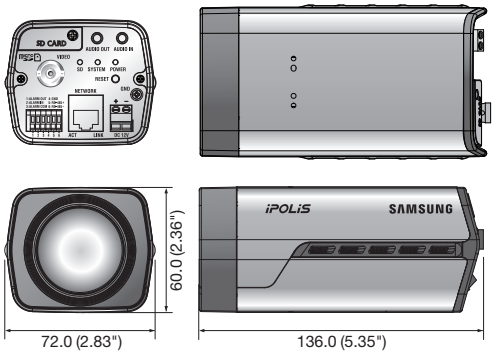
1.3M | HD 720p | 20x A/F Lens | D&N ICR | PoE

Key Features

- Max. 1.3M (1280 x 1024) resolution
- 16 : 9 HD (720p) resolution support
- 4.45 ~ 89mm (20x) optical zoom, 16x digital zoom
- H.264, MPEG-4, MJPEG multiple codec
- Multiple streaming
- Intelligent video analytics
- PoE, SD memory, Bi-directional audio support

Dimensions

Unit : mm (inch)



Accessories (Optional)



SHB-4300H1/4300H2/4300H3 | SHB-4200/4200H

STB-400 | STH-500 | STH-200 | STB-4150V

Technical Specifications

	SNZ-5200N/P
VIDEO	
Imaging Device	1/3" 1.3M PS CMOS
Total Pixels	1,384(H) x 1,076(V)
Effective Pixels	1,329(H) x 1,049(V)
Scanning System	Progressive
Min. Illumination	Color : 0.7Lux (F1.2, 50IRE), 0.01Lux (Sens-up 60x, 50IRE) B/W : 0.08Lux (F1.6, 50IRE), 0.001Lux (Sens-up 60x, 50IRE)
S / N Ratio	52dB
Video Output	CVBS : 1.0 Vp-p / 75Ω composite, 704 x 480(N), 704 x 576(P), for installation
LENS	
Focal Length (Zoom Ratio)	4.45 ~ 89mm (20x)
Max. Aperture Ratio	F1.6(Wide) / F2.9(Tele)
Angular Field of View	H : 56.56˚(Wide) ~ 3.10˚(Tele) / V : 43.32˚(Wide) ~ 2.34˚(Tele)
Min. Object Distance	1m (3.28ft)
Focus Control	AF / One-shot AF / Manual (Remote control via Network)
Lens Type	DC auto iris
Mount Type	Board-in type
PAN / TILT / ROTATE	
Preset	128ea
OPERATIONAL	
Camera Title	Off / On (Displayed up to 15 characters)
Day & Night	Auto (ICR) / Color / B/W
Backlight Compensation	Off / BLC / HLC
Contrast Enhancement	SSDR (Samsung Super Dynamic Range) (Off / On)
Digital Noise Reduction	SSNRIII (2D+3D noise filter) (Off / On)
Digital Image Stabilization	Off / On
Motion Detection	Off / On (4 programmable zones)
Privacy Masking	Off / On (8 programmable zones)
Sens-up (Frame Integration)	Off / Auto (2x ~ 60x)
Gain Control	Off / Low / Medium / High / Manual
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Auto / A.FLK / Manual (1/30 ~ 30,000sec)
Digital Zoom	16x
Flip / Mirror	Off / On
Intelligent Video Analytics	Scene change, Virtual line, Enter / Exit, Appear / Disappear
Alarm I/O	Input 1ea / Output 1ea (Relay)
Remote Control Interface	RS-485
RS-485 Protocol	Samsung-T/E, Pelco-P/D, Sungjin
NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264, MPEG-4, MJPEG
Resolution	1280 x 1024, 1280 x 720P (HD), 1024 x 768, 800 x 600, 640 x 480, 320 x 240
Max. Framerate	30fps
Video Quality Adjustment	H.264, MPEG-4 : Compression level, Target bitrate level control MJPEG : Quality level control
Bitrate Control Method	H.264, MPEG-4 : CBR or VBR, MJPEG : VBR
Streaming Capability	Multiple streaming (Up to 10 profiles)
Audio I/O	Mic / Line in, Line out
Audio Compression Format	G.711 u-law
Audio Communication	Bi-directional audio
IP	IPv4, IPv6
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS
Security	HTTPS(SSL) login authentication, Digest login authentication IP address filtering, User access log, 802.1x authentication
Streaming Method	Unicast / Multicast
Max. User Access	10 users at unicast mode
Memory Slot	SD/SDHC memory slot
ONVIF Conformance	Yes
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek
Web Viewer	Supported OS : Windows XP / VISTA / 7, MAC OS Supported Browser : Internet Explorer 6.0/7.0/8.0 Firefox, Google Chrome, Apple Safari
Central Management Software	NET-i viewer
ENVIRONMENTAL	
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / 20 ~ 80% RH
ELECTRICAL	
Input Voltage / Current	12V DC, PoE (IEEE802.3af)
Power Consumption	12V DC : Max. 8W, PoE : Max. 7.5W
MECHANICAL	
Color / Material	Dark gray / Metal
Dimensions (WxHxD)	72.0 x 60.0 x 136.0mm (2.83" x 2.36" x 5.35")
Weight	540g (1.19 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

SNO-7082R

3Megapixel Full HD Weatherproof Network IR Camera



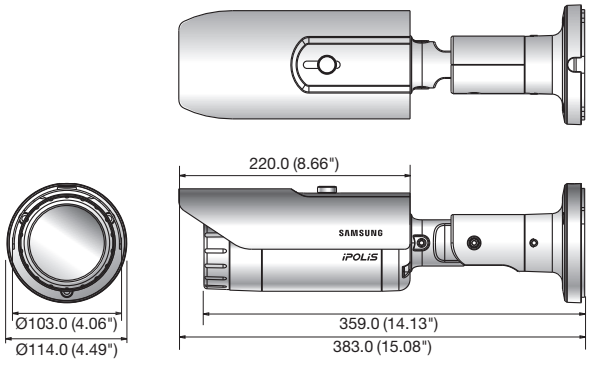
3M | Full HD 1080p | 2.8x Motorized V/F Lens | D&N ICR | WDR | IR LED

Key Features

- Max. 3M (2048 x 1536) resolution
- 16 : 9 Full HD (1080p) resolution support
- 3 ~ 8.5mm (2.8x) motorized varifocal lens
- H.264, MJPEG dual codec
- Multiple streaming
- Smart compression (ROI encoding)
- Audio / Face / Motion Detection
- SD memory (4GB included)
- Simple focus, UPnP
- IR LED (32ea), PoE, IP66, Bi-directional audio support

Dimensions

Unit : mm (inch)



Technical Specifications

	SNO-7082RN/P
VIDEO	
Imaging Device	1/3" 3.1M PS CMOS
Total Pixels	2,064(H) x 1,578(V)
Effective Pixels	2,052(H) x 1,536(V)
Scanning System	Progressive
Min. Illumination	Color : 0.7Lux (F1.2, 50IRE), 0.011Lux (Sens-up 60x) B/W : 0Lux (F1.2, 50IRE, IR LED on)
S / N Ratio	50dB
Video Output	CVBS : 1.0 Vp-p / 75Ω composite, 704 x 480(N), 704 x 576(P), for installation
LENS	
Focal Length (Zoom Ratio)	3 ~ 8.5mm (2.8x) motorized varifocal
Max. Aperture Ratio	F1.2
Angular Field of View	H : 87.3°(Wide) ~ 31.2°(Tele) / V : 64.5°(Wide) ~ 23.4°(Tele)
Min. Object Distance	0.5m (1.64ft)
Focus Control	Manual / Simple focus / Day & Night
Lens Type	DC auto iris
Mount Type	Board-in type
OPERATIONAL	
IR LED	32ea
Viewable Length	30m (98.43ft)
Camera Title	Off / On (Displayed up to 15 characters)
Day & Night	Auto (ICR) / Color / B/W / External
Backlight Compensation	Off / BLC / HLC / WDR
Wide Dynamic Range	Off / On (96dB) 3M mode : 20fps, 2M mode : 30fps
Contrast Enhancement	SSDR (Samsung Super Dynamic Range) (Off / On)
Digital Noise Reduction	SSNRIII (2D+3D noise filter) (Off / On)
Motion Detection	Off / On (4 rectangular zones)
Privacy Masking	Off / On (1ea 4 point polygonal + 16ea rectangular zones)
Sens-up (Frame Integration)	Off / Auto (2x ~ 60x)
Gain Control	Off / Low / Medium / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Auto / A.FLK / Manual (1/30 ~ 12,000sec)
Flip / Mirror	Off / On
Intelligent Video Analytics	Audio detection, Face detection, Tampering, Virtual line, Enter / Exit, Appear / Disappear
Alarm I/O	Digital 1 / 1 (Relay)
Alarm Triggers	Motion detection, Video analytics, Sensor input
Alarm Events	File upload via FTP, E-mail / Notification via E-mail, TCP / Local storage (SD/SDHC) recording at network disconnected
NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264 (MPEG-4 part 10/AVC), MJPEG
Resolution	3M mode - 2048 x 1536, 1920 x 1080, 1600 x 1200, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768, 800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180 2M mode - 1920 x 1080, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768, 800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180
Max. Framerate	3M mode - H.264 : Max. 20fps at all resolutions MJPEG : 800 x 600 ~ 320 x 180 - 20fps, 1024 x 768 ~1920 x 1080 - 15fps 2048 x 1536 - 10fps 2M mode - H.264 : Max. 30fps at all resolutions MJPEG : 800 x 600 ~ 320 x 180 - 30fps, 1024 x 768 ~ 1920 x 1080 - 15fps
Smart Codec	Yes (Area based method)
Video Quality Adjustment	H.264 : Compression level, Target bitrate level control, MJPEG : Quality level control
Bitrate Control Method	H.264 : CBR or VBR, MJPEG : VBR
Streaming Capability	Multiple streaming (Up to 6 profiles)
Audio I/O	Mic / Line in, Line out
Audio Compression Format	G.711, G.726
Audio Communication	Bi-directional audio
IP	IPv4, IPv6
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP
Security	HTTPS(SSL) login authentication, Digest login authentication IP address filtering, User access log, 802.1x authentication
Streaming Method	Unicast / Multicast
Max. User Access	10 users at unicast mode
Memory Slot	SD/SDHC memory slot (4GB included)
ONVIF Conformance	Yes (Profile S)
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek, Norwegian, Finnish
Web Viewer	Supported OS : Windows XP / VISTA / 7, MAC OS X 10.7 or higher Supported Browser : Internet explorer 7.0 or higher, Firefox 9.0 or higher, Chrome 15.0 or higher, Safari 5.1 or higher
Central Management Software	NET-i viewer, SSM (Samsung Security Manager)
ENVIRONMENTAL	
Operating Temperature / Humidity	24V AC : -50°C ~ +55°C (-58°F ~ +131°F) / Less than 90% RH (Heater on) 12V DC, PoE : -10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH (Heater off)
Storage Temperature / Humidity	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH
Ingress Protection	IP66 grade
ELECTRICAL	
Input Voltage / Current	12V DC, 24V AC, PoE (IEEE802.3af)
Power Consumption	Max. 12.95W (12V DC, 24V AC, PoE (Class3) - Heater off), Max. 18.5W (24V AC - Heater on) * Heater works at AC input only
MECHANICAL	
Color / Material	Dark gray / Metal
Dimensions (WxHxD)	Ø114.0 x 383.0mm (Ø4.49" x 15.08")
Weight	1.73Kg (3.81 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

SNO-6084R

2Megapixel Full HD Weatherproof Network IR Camera



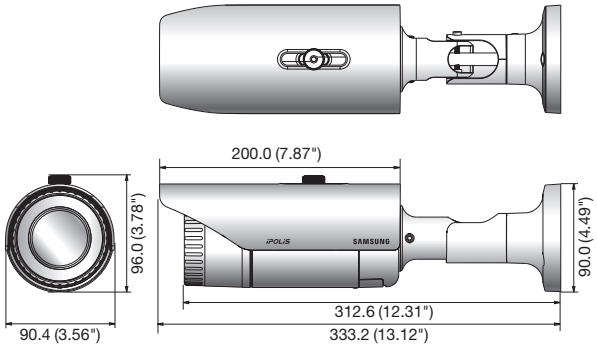
2M | Full HD 1080p | 2.8x Motorized V/F Lens | D&N ICR | WDR | IR LED

Key Features

- Max. 2M (1920 x 1080) resolution
- 16 : 9 Full HD (1080p) resolution support
- 3 ~ 8.5mm (2.8x) motorized varifocal lens
- H.264, MJPEG dual codec, Multiple streaming
- Audio / Face / Motion detection
- Simple focus, UPnP, Defog
- SD/SDHC/SDXC memory slot
- Multi-crop streaming
- IR LED (20ea), PoE, IP66, IK10, Bi-directional audio support

Dimensions

Unit : mm (inch)



Technical Specifications

	SNO-6084RN/P
VIDEO	
Imaging Device	1/2.8" PS Exmor 2.38M CMOS
Total Pixels	1,952(H) x 1,116(V)
Effective Pixels	1,944(H) x 1,104(V)
Scanning System	Progressive
Min. Illumination	Color : 0.1Lux (F1.2, 50IRE), B/W : 0Lux (F1.2, 50IRE, IR LED on)
S / N Ratio	50dB
Video Output	CVBS : 1.0 Vp-p / 75Ω composite, 704 x 480(N), 704 x 576(P), for installation DIP connector type
LENS	
Focal Length (Zoom Ratio)	3 ~ 8.5mm (2.8x) motorized varifocal
Max. Aperture Ratio	F1.2
Angular Field of View	H : 105.5°(Wide) ~ 37.1°(Tele) / V : 57.5°(Wide) ~ 21.0°(Tele)
Min. Object Distance	0.5m (1.64ft)
Focus Control	Simple focus (Motorized V/F) / Manual, Remote control via network (Manual, Simple focus)
Lens Type	DC auto iris
Mount Type	Board-in type
OPERATIONAL	
IR LED	20ea
Viewable Length	30m (98.43ft)
Camera Title	Off / On (Displayed up to 45 characters)
Day & Night	Auto (ICR) / Color / B/W / External / Schedule
Backlight Compensation	Off / BLC
Wide Dynamic Range	100dB↑
Contrast Enhancement	SSDR (Samsung Super Dynamic Range) (Off / On)
Digital Noise Reduction	SSNRIII (2D+3D noise filter) (Off / On)
Digital Image Stabilization	Off / On
Defog	Off / Auto / Manual
Motion Detection	Off / On (4ea 4points polygonal zones)
Privacy Masking	Off / On (32zones with 4points of polygonal)
Gain Control	Off / Low / Medium / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Minimum / Middle / Anti flicker
Flip / Mirror	Off / On
Intelligent Video Analytics	Tampering, Virtual line, Enter/Exit, Appear / Disappear, Audio detection, Face detection
Alarm I/O	Input 1ea / Output 1ea
Alarm Triggers	Motion detection, Audio detection, Face detecton, Video analytics, Alarm input
Alarm Events	File upload via FTP and E-mail, Notification via E-mail, TCP and HTTP, Local storage (SD/SDHC/SDXC) recording at Network disconnected & Event (Alarm triggers), External output
NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264 (MPEG-4 part 10/AVC), MJPEG
Resolution	1920 x 1080, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768, 800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180
Max. Framerate	H.264 : Max. 60fps at all resolutions MJPEG : 1920 x 1080, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768 : Max. 15fps 800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180 : Max.30fps
Video Quality Adjustment	H.264 : Compression level, Target bitrate level control, MJPEG : Quality level control
Bitrate Control Method	H.264 : CBR or VBR, MJPEG : VBR
Streaming Capability	Multiple streaming (Up to 10 profiles)
Audio I/O	Selectable (Mic in / Line in), Max output level : 1 Vrms Supply voltage : 3.3V DC (4mA), Input impedance : approx. 2K Ohm
Audio Compression Format	G.711 u-law /G.726 selectable, G.726 (ADPCM) 8KHz, G.711 8KHz G.726 : 16Kbps, 24Kbps, 32Kbps, 40Kbps
Audio Communication	Bi-directional audio
IP	IPv4, IPv6
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP,RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, PIM-SM, UPnP, Bonjour
Security	HTTPS(SSL) login authentication, Digest login authentication IP address filtering, User access log, 802.1x authentication
Streaming Method	Unicast / Multicast
Max. User Access	15 users at unicast mode
Memory Slot	Micro SD/SDHC/SDXC Motion images recorded in the SDXC/SDHC/SD memory card can be downloaded
Application Programming Interfac	ONVIF profile S, HTTP API v2.0, SVNP 1.2
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek, Norwegian, Finnish, Norwegian
Web Viewer	Supported OS : Windows XP / VISTA / 7 / 8, MAC OS X 10.7 Supported Browser : Microsoft Internet Explorer (Ver. 10, 9, 8, 7), Mozilla Firefox (Ver. 19, 18, 17, 16, 15, 14, 13, 12, 11, 10, 9), Google Chrome (Ver. 25, 24, 23, 22, 21, 20, 19, 18, 17,16, 15), Apple Safari (Ver. 6.0.2(Mac OS X 10.8, 10.7 only), 5.1.7) * Mac OS X only
Central Management Software	SmartViewer 4.0
ENVIRONMENTAL	
Operating Temperature / Humidity	24V AC : -50°C ~ +55°C (-58°F ~ +131°F) / Less than 90% RH 12V DC, PoE : -10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH
Storage Temperature / Humidity	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH
Ingress Protection	IP66 grade
Vandal Resistance	IK10
ELECTRICAL	
Input Voltage / Current	12V DC, 24V AC, PoE (IEEE802.3af)
Power Consumption	Max. 11W (Heater off), Max. 17W (24V AC - Heater on)
MECHANICAL	
Color / Material	Dark gray / Metal
Dimensions (WxHxD)	90.4 x 96.0 x 333.2mm (3.56" x 3.78" x 13.12")
Weight	1.19Kg (2.62 lb)

* Data recorded on an SD memory card may be lost or damaged by data access during power-off, mechanical shock, memory card detachment, or other operations. Data loss or damage can also occur when a memory card reaches end of life, which varies according to operational conditions. No guarantee is given against damage (including passive damage).

* The latest product information / specification can be found at www.samsungsecurity.com

SNO-5080R

1.3Megapixel HD Weatherproof Network IR Camera



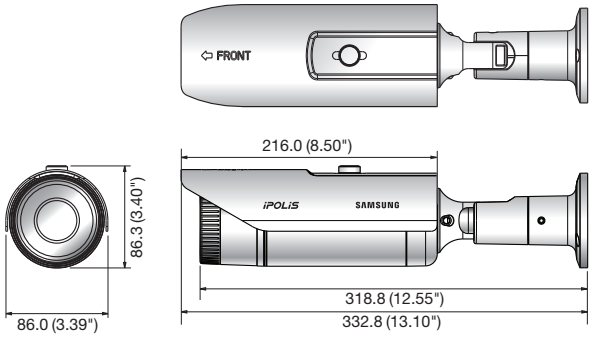
1.3M | HD 720p | 3.6x V/F Lens | D&N ICR | PoE | IR LED

Key Features

- Max. 1.3M (1280 x 1024) resolution
- 16 : 9 HD (720p) resolution support
- 2.8 ~ 10mm (3.6x) varifocal lens
- H.264, MPEG-4, MJPEG multiple codec
- Multiple streaming
- Intelligent video analytics
- IR LED (31ea), PoE, IP66

Dimensions

Unit : mm (inch)



Technical Specifications

	SNO-5080RN/P
VIDEO	
Imaging Device	1/3" 1.3M PS CMOS
Total Pixels	1,384(H) x 1,076(V)
Effective Pixels	1,329(H) x 1,049(V)
Scanning System	Progressive
Min. Illumination	Color : 0.3Lux (F1.2, 50IRE), 0.005Lux (Sens-up 60x) B/W : 0Lux (F1.2, 50IRE, IR LED on)
S / N Ratio	50dB
Video Output	DIP connector type, 704 x 480(N), 704 x 576(P), for installation
LENS	
Focal Length (Zoom Ratio)	2.8 ~ 10mm (3.6x) varifocal
Max. Aperture Ratio	F1.2
Angular Field of View	H : 94.6°(Wide) ~ 28.8°(Tele) / V : 68.4°(Wide) ~ 21.6°(Tele)
Focus Control	Manual
Lens Type	DC auto iris
Mount Type	Board-in type
OPERATIONAL	
IR LED	31ea
Viewable Length	30m (98.43ft)
Camera Title	Off / On (Displayed up to 15 characters)
Day & Night	Auto (ICR) / Color / B/W
Backlight Compensation	Off / BLC / HLC
Contrast Enhancement	SSDR (Samsung Super Dynamic Range) (Off / On)
Digital Noise Reduction	SSNRIII (2D+3D noise filter) (Off / On)
Motion Detection	Off / On (4 programmable zones)
Privacy Masking	Off / On (12 programmable zones)
Sens-up (Frame Integration)	Off / Auto (2x ~ 60x)
Gain Control	Off / Low / Medium / High / Manual
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Auto / A.FLK / Manual (1/30 ~ 30,000sec)
Flip / Mirror	Off / On
Intelligent Video Analytics	Scene change, Virtual line, Enter / Exit, Appear / Disappear
Alarm I/O	Input 1ea / Output 1ea (Relay)
NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264, MPEG-4, MJPEG
Resolution	1280 x 1024, 1280 x 720P (HD), 1024 x 768, 800 x 600, 640 x 480, 320 x 240
Max. Framerate	22fps (1280 x 1024), 30fps (720P HD)
Video Quality Adjustment	H.264, MPEG-4 : Compression level, Target bitrate level control MJPEG : Quality level control
Bitrate Control Method	H.264, MPEG-4 : CBR or VBR, MJPEG : VBR
Streaming Capability	Multiple streaming (Up to 10 profiles)
IP	IPv4, IPv6
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS
Security	HTTPS(SSL) login authentication, Digest login authentication IP address filtering, User access log
Streaming Method	Unicast / Multicast
Max. User Access	10 users at unicast mode
ONVIF Conformance	Yes
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek
Web Viewer	Supported OS : Windows XP / VISTA / 7, MAC OS Supported Browser : Internet Explorer 6.0/7.0/8.0, Firefox, Google Chrome, Apple Safari
Central Management Software	NET-i viewer
ENVIRONMENTAL	
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH
Ingress Protection	IP66 grade
ELECTRICAL	
Input Voltage / Current	12V DC, 24V AC, PoE (IEEE802.3af)
Power Consumption	Max. 11W
MECHANICAL	
Color / Material	Dark gray / Metal
Dimensions (WxHxD)	86.0 x 86.3 x 332.8mm (3.39" x 3.40" x 13.10")
Weight	1.3Kg (2.87 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

SNO-1080R

VGA Weatherproof Network IR Camera



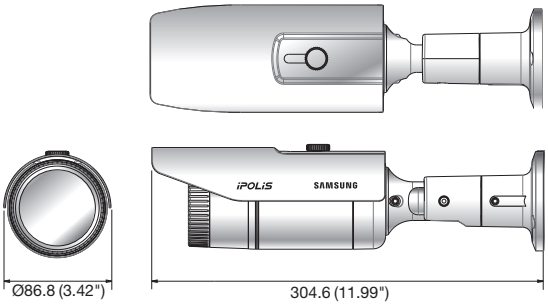
VGA | 3.5x V/F Lens | D&N ICR | PoE | IR LED

Key Features

- Max. 30fps at VGA resolution
- 2.2 ~ 7.7mm (3.5x) varifocal lens
- H.264, MJPEG dual codec
- Multiple streaming
- Face detection
- IR LED (15ea), PoE, IP66

Dimensions

Unit : mm (inch)



Technical Specifications

	SNO-1080RN/P
VIDEO	
Imaging Device	1/4" PS CMOS
Total Pixels	680(H) x 512(V)
Effective Pixels	640(H) x 480(V)
Scanning System	Progressive
Min. Illumination	Color : 0.7Lux (F1.2, 50IRE) B/W : 0Lux (F1.2, 50IRE, IR LED on)
S / N Ratio	50dB
Video Out	SMD connector type, for installation
LENS	
Focal Length (Zoom Ratio)	2.2 ~ 7.7mm (3.5x) varifocal
Max. Aperture Ratio	F1.2
Angular Field of View	H : 94°(Wide) ~ 26.5°(Tele) / V : 70°(Wide) ~ 20°(Tele)
Min. Object Distance	0.5m (1.64ft)
Lens Type	DC auto iris
Mount Type	Board type (Ø14)
OPERATIONAL	
IR LED	15ea
Viewable Length	15m (49.21ft)
Camera Title	Off / On (Displayed up to 15 characters)
Day & Night	Auto (ICR) / Color / B/W / External
Backlight Compensation	Off / BLC
Contrast Enhancement	SSDR (Samsung Super Dynamic Range) (Off / On)
Digital Noise Reduction	SSNRIII (2D+3D noise filter) (Off / On)
Motion Detection	Off / On (4 programmable zones)
Privacy Masking	Off / On (32ea 4 points polygonal)
Sens-up (Frame Integration)	Off / Auto (2x ~ 60x)
Gain Control	Off / Low / Medium / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Auto / A.FLK / Manual (60x ~ 1/12,000sec)
Flip / Mirror	Off / On
Intelligent Video Analytics	Face detection
Alarm I/O	Input 1ea
NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264, MJPEG
Resolution	640 x 480, 320 x 240, 160 x 120
Max. Framerate	Max. 30fps at all resolutions
Video Quality Adjustment	H.264 : Compression level, Target bitrate level control MJPEG : Quality level control
Bitrate Control Method	H.264 : CBR or VBR, MJPEG : VBR
Streaming Capability	Multiple streaming (Up to 10 profiles)
IP	IPv4, IPv6
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS
Security	HTTPS(SSL) login authentication, Digest login authentication IP address filtering, User access log, 802.1x Authentication
Streaming Method	Unicast / Multicast
Max. User Access	10 users at unicast mode
ONVIF Conformance	Yes
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek
Web Viewer	Supported OS : Windows XP / VISTA / 7, MAC OS Supported Browser : Internet Explorer 7.0/8.0, Firefox, Google Chrome, Apple Safari
Central Management Software	NET-i viewer
ENVIRONMENTAL	
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / 20% ~ 80% RH
Ingress Protection	IP66 grade
ELECTRICAL	
Input Voltage / Current	12V DC / 480mA, PoE (IEEE802.3af)
Power Consumption	Max. 5.6W
MECHANICAL	
Color / Material	Dark gray / Aluminum
Dimensions (WxHxD)	Ø86.8 x 304.6mm (Ø3.42" x 11.99")
Weight	1Kg (2.2 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

SND-7082/7082F

3Megapixel Full HD Network Dome Camera



SND-7082 SND-7082F

3M | Full HD 1080p | 2.8x Motorized V/F Lens | D&N ICR | WDR | PoE

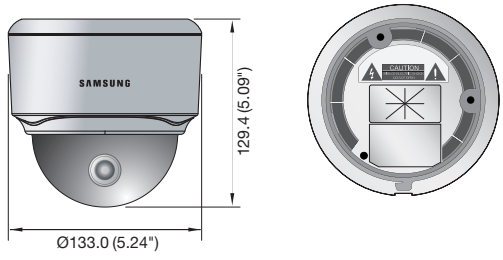
Key Features

- Max. 3M (2048 x 1536) resolution
- 16 : 9 Full HD (1080p) resolution support
- 3 ~ 8.5mm (2.8x) motorized varifocal lens
- H.264, MJPEG dual codec, Multiple streaming
- Smart compression (ROI encoding)
- Audio / Face / Motion detection
- Simple focus, UPnP, PoE, Bi-directional audio support

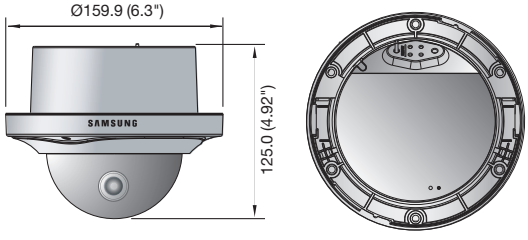
Dimensions

Unit : mm (inch)

SND-7082



SND-7082F



Accessories (Optional)



SBP-301HM2 SBP-300LM SBP-300CM SBP-300WM1 SBP-300WM SBP-300B SBP-300PM SBP-300KM

Technical Specifications

	SND-7082(F)N/P
VIDEO	
Imaging Device	1/3" 3.1M PS CMOS
Total Pixels	2,064(H) x 1,578(V)
Effective Pixels	2,052(H) x 1,536(V
Scanning System	Progressive
Min. Illumination	Color : 0.7Lux (F1.2, 50IRE), 0.011Lux (Sens-up 60x) B/W : 0.07Lux (F1.2, 50IRE), 0.001Lux (Sens-up 60x)
S / N Ratio	50dB
Video Output	CVBS : 1.0 Vp-p / 75Ω composite, 704 x 480(N), 704 x 576(P), for installation
LENS	
Focal Length (Zoom Ratio)	3 ~ 8.5mm (2.8x) motorized varifocal
Max. Aperture Ratio	F1.2
Angular Field of View	H : 87.3°(Wide) ~ 31.2°(Tele) / V : 64.5°(Wide) ~ 23.4°(Tele)
Min. Object Distance	0.5m (1.64ft)
Focus Control	Manual / Simple focus / Day & Night
Lens Type	DC auto iris
Mount Type	Board-in type
PAN / TILT / ROTATE	
Pan Range	0° ~ 355°
Tilt Range	0° ~ 90°
OPERATIONAL	
Camera Title	Off / On (Displayed up to 15 characters)
Day & Night	Auto (ICR) / Color / B/W / External
Backlight Compensation	Off / BLC / HLC / WDR
Wide Dynamic Range	Off / On (96dB) 3M mode : 20fps, 2M mode : 30fps
Contrast Enhancement	SSDR (Samsung Super Dynamic Range) (Off / On)
Digital Noise Reduction	SSNRIII (2D+3D noise filter) (Off / On)
Motion Detection	Off / On (4 rectangular zones)
Privacy Masking	Off / On (1ea 4 point polygonal + 16ea rectangular zones)
Sens-up (Frame Integration)	Off / Auto (2x ~ 60x)
Gain Control	Off / Low / Medium / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Auto / A.FLK / Manual (1/30 ~ 12,000sec)
Flip / Mirror	Off / On
Intelligent Video Analytics	Audio detection, Face detection, Tampering, Virtual line, Enter / Exit, Appear / Disappear
Alarm I/O	Digital 1 / 1
Alarm Triggers	Motion detection, Video analytics, Sensor input
Alarm Events	File upload via FTP, E-mail / Notification via E-mail, TCP / Local storage (SD/SDHC) recording at network disconnected
NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264 (MPEG-4 part 10/AVC), MJPEG
Resolution	3M mode - 2048 x 1536, 1920 x 1080, 1600 x 1200, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768, 800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180 2M mode - 1920 x 1080, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768, 800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180
Max. Framerate	3M mode - H.264 : Max. 20fps at all resolutions MJPEG : 800 x 600 ~ 320 x 180 - 20fps, 1024 x 768 ~1920 x 1080 - 15fps 2048 x 1536 - 10fps 2M mode - H.264 : Max. 30fps at all resolutions MJPEG : 800 x 600 ~ 320 x 180 - 30fps, 1024 x 768 ~ 1920 x 1080 - 15fps
Smart Codec	Yes (Area based method)
Video Quality Adjustment	H.264 : Compression level, Target bitrate level control MJPEG : Quality level control
Bitrate Control Method	H.264 : CBR or VBR, MJPEG : VBR
Streaming Capability	Multiple streaming (Up to 6 profiles)
Audio I/O	Mic / Line in, Line out
Audio Compression Format	G.711 u-law, G.726 (16Kbps, 24Kbps, 32Kbps, 40Kbps)
Audio Communication	Bi-directional audio
IP	IPv4, IPv6
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP
Security	HTTPS(SSL) login authentication, Digest login authentication IP address filtering, User access log, 802.1x authentication
Streaming Method	Unicast / Multicast
Max. User Access	10 users at unicast mode
Memory Slot	SD/SDHC memory slot
ONVIF Conformance	Yes (Profile S)
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek, Norwegian, Finnish
Web Viewer	Supported OS : Windows XP / VISTA / 7, MAC OS X 10.7 or higher Supported Browser : Internet explorer 7.0 or higher, Firefox 9.0 or higher, Chrome 15.0 or higher, Safari 5.1 or higher
Central Management Software	NET-i viewer, SSM (Samsung Security Manager)
ENVIRONMENTAL	
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH
Storage Temperature / Humidity	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH
ELECTRICAL	
Input Voltage / Current	12V DC, PoE (IEEE802.3af)
Power Consumption	Max. 9W (12V DC, PoE (Class3))
MECHANICAL	
Color / Material	Ivory / Plastic
Dimensions (WxH)	SND-7082 : Ø133.0 x 129.4mm (Ø5.24" x 5.09") SND-7082F : Ø159.9 x 125.0mm (Ø6.3" x 4.92") (Flush mounting type)
Weight	SND-7082 : 604g (1.33 lb), SND-7082F : 690g (1.52 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

SND-7061

3Megapixel Full HD Network Dome Camera



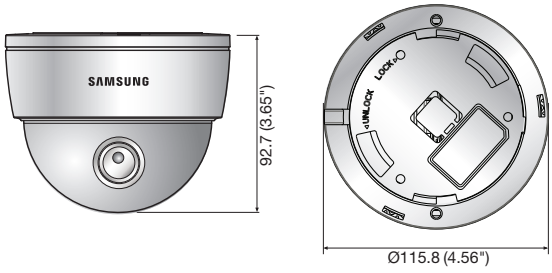
3M | Full HD 1080p | 2.8x V/F Lens | E-D&N | PoE

Key Features

- Max. 3M (2048 x 1536) resolution
- 16 : 9 Full HD (1080p) resolution support
- 3 ~ 8.5mm (2.8x) varifocal lens
- H.264, MJPEG dual codec
- Multiple streaming
- Smart compression (ROI encoding)
- Tampering
- PoE

Dimensions

Unit : mm (inch)



Technical Specifications

	SND-7061N/P
VIDEO	
Imaging Device	1/2.8" 3M PS CMOS
Total Pixels	2,144(H) x 1,588(V)
Effective Pixels	2,096(H) x 1,561(V)
Scanning System	Progressive
Min. Illumination	0.4Lux (F1.2, 50IRE), 0.007Lux (Sens-up 60x)
Video Output	CVBS : 1.0 Vp-p / 75Ω composite, 704 x 480(N), 704 x 576(P), for installation
LENS	
Focal Length (Zoom Ratio)	3 ~ 8.5mm (2.8x) varifocal
Max. Aperture Ratio	F1.2
Angular Field of View	H : 96°(Wide) ~ 35.3°(Tele) / V : 70.2°(Wide) ~ 27.5°(Tele)
Min. Object Distance	0.5m (1.64ft)
Focus Control	Manual
Lens Type	DC auto iris
Mount Type	Board-in type
PAN / TILT / ROTATE	
Pan Range	0° ~ 355°
Tilt Range	17° ~ 90°
Rotate Range	0° ~ 355°
OPERATIONAL	
Camera Title	Off / On (Displayed up to 15 characters)
Day & Night	Auto (Electrical) / Color / B/W
Backlight Compensation	Off / BLC
Digital Noise Reduction	SSNR (Off / On)
Motion Detection	Off / On (4 programmable zones, 3M 15fps, 2M 20fps)
Privacy Masking	Off / On (12 rectangular zones)
Sens-up (Frame Integration)	Off / Auto (2x ~ 60x)
Gain Control	Off / Low / Medium / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Auto / A.FLK / Manual (1/30 ~ 12,000sec)
Flip / Mirror	Off / On
Intelligent Video Analytics	Tampering (3M 15fps, 2M 20fps)
Alarm I/O	Input 1ea
NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264, MJPEG
Resolution	3M mode - 2048 x 1536, 1920 x 1080P (Full HD), 1600 x 1200, 1280 x 1024, 1280 x 960, 1280 x 720P (HD), 1024 x 768, 800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180 2M mode - 1920 x 1080P (Full HD), 1280 x 1024, 1280 x 960, 1280 x 720P (HD), 1024 x 768, 800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180
Max. Framerate	3M mode - H.264 : Max. 20fps at all resolutions MJPEG : 800 x 600 ~ 320 x 180 - 20fps, 1280 x 1024 ~1920 x 1080 - 15fps 2048 x 1536 - 10fps 2M mode - H.264 : Max. 30fps at all resolutions MJPEG : 800 x 600 ~ 320 x 180 - 30fps, 1280 x 1024 ~ 1920 x 1080 - 15fps
Smart Codec	Yes (Area based method)
Video Quality Adjustment	H.264 : Compression level, Target bitrate level control MJPEG : Quality level control
Bitrate Control Method	H.264 : CBR or VBR, MJPEG : VBR
Streaming Capability	Multiple streaming (Up to 5 profiles)
IP	IPv4, IPv6
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS
Security	HTTPS(SSL) login authentication, Digest login authentication IP address filtering, User access log, 802.1x authentication
Streaming Method	Unicast / Multicast
Max. User Access	10 users at unicast mode
ONVIF Conformance	Yes
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek, Norwegian, Finnish
Web Viewer	Supported OS : Windows XP / VISTA / 7, MAC OS 10.7 or higher Supported Browser : Internet Explorer 7.0 or Higher, Firefox 9 or higher, Google Chrome 15 or higher, Apple Safari 5.1 or higher
Central Management Software	NET-i viewer
ENVIRONMENTAL	
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH
Storage Temperature / Humidity	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH
ELECTRICAL	
Input Voltage / Current	12V DC, PoE (IEEE802.3af)
Power Consumption	Max. 3.7W (12V DC), Max. 4.3W (PoE)
MECHANICAL	
Color / Material	Ivory / Plastic
Dimensions (WxH)	Ø115.8 x 92.7mm (Ø4.56" x 3.65")
Weight	345g (0.76 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

SND-7011

3Megapixel Full HD Network Dome Camera



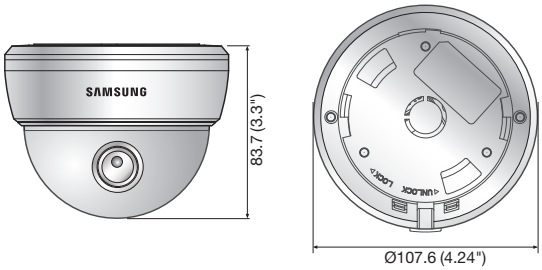
3M | Full HD 1080p | 3mm | E-D&N | PoE

Key Features

- Max. 3M (2048 x 1536) resolution
- 16 : 9 Full HD (1080p) resolution support
- Built-in 3mm fixed lens
- H.264, MJPEG dual codec
- Multiple streaming
- Smart compression (ROI encoding)
- Tampering
- PoE

Dimensions

Unit : mm (inch)



Technical Specifications

	SND-7011N/P
VIDEO	
Imaging Device	1/2.8" 3M PS CMOS
Total Pixels	2,144(H) x 1,588(V)
Effective Pixels	2,096(H) x 1,561(V)
Scanning System	Progressive
Min. Illumination	0.9Lux (F1.2, 50IRE), 0.015Lux (Sens-up 60x)
Video Output	CVBS : 1.0 Vp-p / 75Ω composite, 704 x 480(N), 704 x 576(P), for installation
LENS	
Focal Length (Zoom Ratio)	3mm fixed
Max. Aperture Ratio	F2.0
Angular Field of View	H : 101.9˚ / V : 72.7˚ / D : 134˚
Min. Object Distance	0.5m (1.64ft)
Focus Control	Manual
Mount Type	Board-in type
PAN / TILT / ROTATE	
Pan Range	0° ~ 352°
Tilt Range	0° ~ 90°
Rotate Range	0° ~ 352°
OPERATIONAL	
Camera Title	Off / On (Displayed up to 15 characters)
Day & Night	Auto (Electrical) / Color / B/W
Backlight Compensation	Off / BLC
Digital Noise Reduction	SSNR (Off / On)
Motion Detection	Off / On (4 programmable zones, 3M 15fps, 2M 20fps)
Privacy Masking	Off / On (12 rectangular zones)
Sens-up (Frame Integration)	Off / Auto (2x ~ 60x)
Gain Control	Off / Low / Medium / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Auto / A.FLK / Manual (1/30 ~ 12,000sec)
Flip / Mirror	Off / On
Intelligent Video Analytics	Tampering (3M 15fps, 2M 20fps)
Alarm I/O	Input 1ea
NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264, MJPEG
Resolution	3M mode - 2048 x 1536, 1920 x 1080P (Full HD), 1600 x 1200, 1280 x 1024, 1280 x 960, 1280 x 720P (HD), 1024 x 768, 800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180 2M mode - 1920 x 1080P (Full HD), 1280 x 1024, 1280 x 960, 1280 x 720P (HD), 1024 x 768, 800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180
Max. Framerate	3M mode - H.264 : Max. 20fps at all resolutions MJPEG : 800 x 600 ~ 320 x 180 - 20fps, 1280 x 1024 ~1920 x 1080 - 15fps 2048 x 1536 - 10fps 2M mode - H.264 : Max. 30fps at all resolutions MJPEG : 800 x 600 ~ 320 x 180 - 30fps, 1280 x 1024 ~ 1920 x 1080 - 15fps
Smart Codec	Yes (Area based method)
Video Quality Adjustment	H.264 : Compression level, Target bitrate level control MJPEG : Quality level control
Bitrate Control Method	H.264 : CBR or VBR, MJPEG : VBR
Streaming Capability	Multiple streaming (Up to 5 profiles)
IP	IPv4, IPv6
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS
Security	HTTPS(SSL) login authentication, Digest login authentication IP address filtering, User access log, 802.1x authentication
Streaming Method	Unicast / Multicast
Max. User Access	10 users at unicast mode
ONVIF Conformance	Yes
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek, Norwegian, Finnish
Web Viewer	Supported OS : Windows XP / VISTA / 7, MAC OS 10.7 or higher Supported Browser : Internet Explorer 7.0 or Higher, Firefox 9 or higher, Google Chrome 15 or higher, Apple Safari 5.1 or higher
Central Management Software	NET-i viewer
ENVIRONMENTAL	
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH
Storage Temperature / Humidity	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH
ELECTRICAL	
Input Voltage / Current	12V DC, PoE (IEEE802.3af)
Power Consumption	Max. 3.7W (12V DC), Max. 4.3W (PoE)
MECHANICAL	
Color / Material	Ivory / Plastic
Dimensions (WxH)	Ø107.6 x 83.7mm (Ø4.24" x 3.3")
Weight	285g (0.63 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

SND-6084

2Megapixel Full HD Network Dome Camera



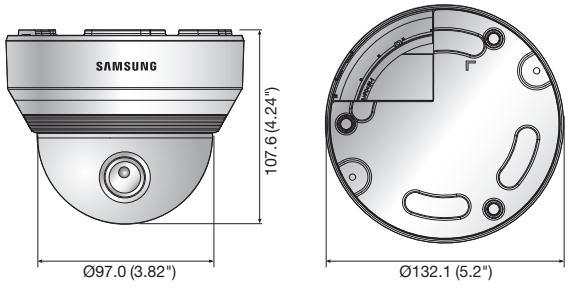
2M | Full HD 1080p | 2.8x Motorized V/F Lens | D&N ICR | WDR | PoE

Key Features

- Max. 2M (1920 x 1080) resolution
- 16 : 9 Full HD (1080p) resolution support
- 3 ~ 8.5mm (2.8x) motorized varifocal lens
- H.264, MJPEG dual codec, Multiple streaming
- Audio / Face / Motion detection
- Simple focus, UPnP, Defog
- SD/SDHC/SDXC memory slot
- Multi-crop streaming
- PoE, Bi-directional audio support

Dimensions

Unit : mm (inch)



Accessories (Optional)



SBP-301HM2 SBP-300LM SBP-300CM SBP-300WM1 SBP-300WM SBP-300B SBP-300PM SBP-300KM

Technical Specifications

	SND-6084N/P
VIDEO	
Imaging Device	1/2.8" PS Exmor 2.38M CMOS
Total Pixels	1,952(H) x 1,116(V)
Effective Pixels	1,944(H) x 1,104(V)
Scanning System	Progressive
Min. Illumination	Color : 0.1Lux (F1.2, 50IRE), B/W : 0.01Lux (F1.2, 50IRE)
S / N Ratio	50dB
Video Output	CVBS : 1.0 Vp-p / 75Ω composite, 704 x 480(N), 704 x 576(P), for installation DIP connector type
LENS	
Focal Length (Zoom Ratio)	3 ~ 8.5mm (2.8x) motorized varifocal
Max. Aperture Ratio	F1.2
Angular Field of View	H : 105.5°(Wide) ~ 37.1°(Tele) / V : 57.5°(Wide) ~ 21.0°(Tele)
Min. Object Distance	0.5m (1.64ft)
Focus Control	Simple focus (Motorized V/F) / Manual Remote control via network, Button control (Manual, Simple focus)
Lens Type	DC auto iris
Mount Type	Board-in type
PAN / TILT / ROTATE	
Pan / Tilt / Rotate Range	0° ~ 354° / 0° ~ 67° / 0° ~ 355°
OPERATIONAL	
Camera Title	Off / On (Displayed up to 45 characters)
Day & Night	Auto (ICR) / Color / B/W / External / Schedule
Backlight Compensation	Off / BLC
Wide Dynamic Range	100dB↑
Contrast Enhancement	SSDR (Samsung Super Dynamic Range) (Off / On)
Digital Noise Reduction	SSNRIII (2D+3D noise filter) (Off / On)
Digital Image Stabilization	Off / On
Defog	Off / Auto / Manual
Motion Detection	Off / On (4ea 4points polygonal zones)
Privacy Masking	Off / On (32zones with 4points of polygonal)
Gain Control	Off / Low / Middle / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Minimum / Maximum / Anti flicker (2 ~ 1/12,000sec)
Flip / Mirror	Off / On
Intelligent Video Analytics	Tampering, Virtual line, Enter/Exit, Appear / Disappear, Audio detection, Face detection
Alarm I/O	Input 1ea / Output 1ea
Alarm Triggers	Motion detection, Audio detection, Face detecton, Video analytics, Alarm input, Network disconnection
Alarm Events	File upload via FTP and E-mail, Notification via E-mail, TCP and HTTP, Local storage (SD/SDHC/SDXC) recording at Network disconnected & Event (Alarm triggers), External output
NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264 (MPEG-4 part 10/AVC), MJPEG
Resolution	1920 x 1080, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768, 800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180
Max. Framerate	H.264 : Max. 60fps at all resolutions MJPEG : 1920 x 1080, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768 : Max. 15fps 800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180 : Max.30fps
Video Quality Adjustment	H.264 : Compression level, Target bitrate level control, MJPEG : Quality level control
Bitrate Control Method	H.264 : CBR or VBR, MJPEG : VBR
Streaming Capability	Multiple streaming (Up to 10 profiles)
Audio I/O	Selectable (Mic in / Line in), Max output level : 1 Vrms Supply voltage : 3.3V DC (4mA), Input impedance : approx. 2K Ohm
Audio Compression Format	G.711 u-law /G.726 selectable, G.726 (ADPCM) 8KHz, G.711 8KHz G.726 : 16Kbps, 24Kbps, 32Kbps, 40Kbps
Audio Communication	Bi-directional audio
IP	IPv4, IPv6
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP,RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, PIM-SM, UPnP, Bonjour
Security	HTTPS(SSL) login authentication, Digest login authentication IP address filtering, User access log, 802.1x authentication
Streaming Method	Unicast / Multicast
Max. User Access	15 users at unicast mode
Memory Slot	Micro SD/SDHC/SDXC Motion images recorded in the SDXC/SDHC/SD memory card can be downloaded
Application Programming Interfac	ONVIF profile S, HTTP API v2.0, SVNP 1.2
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek, Norwegian, Finnish, Norwegian
Web Viewer	Supported OS : Windows XP / VISTA / 7 / 8, MAC OS X 10.7 Supported Browser : Microsoft Internet Explorer (Ver. 10, 9, 8, 7), Mozilla Firefox (Ver. 19, 18, 17, 16, 15, 14, 13, 12, 11, 10, 9), Google Chrome (Ver. 25, 24, 23, 22, 21, 20, 19, 18, 17,16, 15), Apple Safari (Ver. 6.0.2(Mac OS X 10.8, 10.7 only), 5.1.7) * Mac OS X only
Central Management Software	SmartViewer 4.0
ENVIRONMENTAL	
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH
Storage Temperature / Humidity	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH
ELECTRICAL	
Input Voltage / Current	12V DC, PoE (IEEE802.3af class3)
Power Consumption	Max. 9.0W (12V DC), Max. 11.0W (PoE, Class3)
MECHANICAL	
Color / Material	Ivory / Plastic
Dimensions (WxH)	Ø132.1 x 107.6mm (Ø5.2" x 4.24")
Weight	505g (1.11 lb)

* Data recorded on an SD memory card may be lost or damaged by data access during power-off, mechanical shock, memory card detachment, or other operations. Data loss or damage can also occur when a memory card reaches end of life, which varies according to operational conditions. No guarantee is given against damage (including passive damage).

* The latest product information / specification can be found at www.samsungsecurity.com

SND-6083

2Megapixel Full HD Network Dome Camera



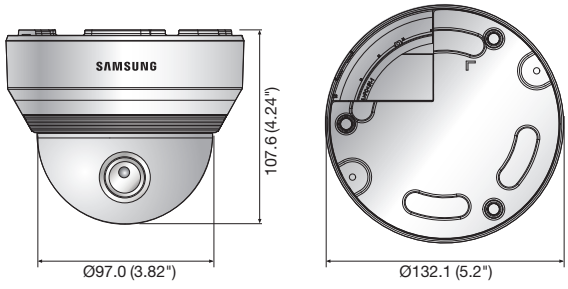
2M | Full HD 1080p | 2.8x V/F Lens | E-D&N | WDR | PoE

Key Features

- Max. 2M (1920 x 1080) resolution
- 16 : 9 Full HD (1080p) resolution support
- 3 ~ 8.5mm (2.8x) varifocal lens
- H.264, MJPEG dual codec, Multiple streaming
- Audio / Face / Motion detection
- UPnP, Defog
- SD/SDHC/SDXC memory slot
- Multi-crop streaming
- PoE, Bi-directional audio support

Dimensions

Unit : mm (inch)



Accessories (Optional)



SBP-301HM2 SBP-300LM SBP-300CM SBP-300WM1 SBP-300WM SBP-300B SBP-300PM SBP-300KM

Technical Specifications

	SND-6083N/P
VIDEO	
Imaging Device	1/2.8" PS Exmor 2.38M CMOS
Total Pixels	1,952(H) x 1,116(V)
Effective Pixels	1,944(H) x 1,104(V)
Scanning System	Progressive
Min. Illumination	Color : 0.1Lux (F1.2, 50IRE), B/W : 0.1Lux (F1.2, 50IRE)
S / N Ratio	50dB
Video Output	CVBS : 1.0 Vp-p / 75Ω composite, 704 x 480(N), 704 x 576(P), for installation DIP connector type
LENS	
Focal Length (Zoom Ratio)	3 ~ 8.5mm (2.8x) varifocal
Max. Aperture Ratio	F1.2
Angular Field of View	H : 106.18°(Wide) ~ 37.1°(Tele) / V : 58.42°(Wide) ~ 20.94°(Tele)
Min. Object Distance	0.5m (1.64ft)
Focus Control	Manual
Lens Type	DC auto iris
Mount Type	Board-in type
PAN / TILT / ROTATE	
Pan / Tilt / Rotate Range	0° ~ 354° / 0° ~ 67° / 0° ~ 355°
OPERATIONAL	
Camera Title	Off / On (Displayed up to 45 characters)
Day & Night	Auto (Electrical) / Color / B/W / External / Schedule
Backlight Compensation	Off / BLC
Wide Dynamic Range	100dB↑
Contrast Enhancement	SSDR (Samsung Super Dynamic Range) (Off / On)
Digital Noise Reduction	SSNRIII (2D+3D noise filter) (Off / On)
Digital Image Stabilization	Off / On
Defog	Off / Auto / Manual
Motion Detection	Off / On (4ea 4points polygonal zones)
Privacy Masking	Off / On (32zones with 4points of polygonal)
Gain Control	Off / Low / Middle / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Minimum / Maximum / Anti flicker (2 ~ 1/12,000sec)
Flip / Mirror	Off / On
Intelligent Video Analytics	Tampering, Virtual line, Enter/Exit, Appear / Disappear, Audio detection, Face detection
Alarm I/O	Input 1ea / Output 1ea
Alarm Triggers	Motion detection, Audio detection, Face detecton, Video analytics, Alarm input, Network disconnection
Alarm Events	File upload via FTP and E-mail, Notification via E-mail, TCP and HTTP, Local storage (SD/SDHC/SDXC) recording at Network disconnected & Event (Alarm triggers), External output
NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264 (MPEG-4 part 10/AVC), MJPEG
Resolution	1920 x 1080, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768, 800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180
Max. Framerate	H.264 : Max. 60fps at all resolutions MJPEG : 1920 x 1080, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768 : Max. 15fps 800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180 : Max.30fps
Video Quality Adjustment	H.264 : Compression level, Target bitrate level control, MJPEG : Quality level control
Bitrate Control Method	H.264 : CBR or VBR, MJPEG : VBR
Streaming Capability	Multiple streaming (Up to 10 profiles)
Audio I/O	Selectable (Mic in / Line in), Max output level : 1 Vrms Supply voltage : 3.3V DC (4mA), Input impedance : approx. 2K Ohm
Audio Compression Format	G.711 u-law /G.726 selectable, G.726 (ADPCM) 8KHz, G.711 8KHz G.726 : 16Kbps, 24Kbps, 32Kbps, 40Kbps
Audio Communication	Bi-directional audio
IP	IPv4, IPv6
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP,RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, PIM-SM, UPnP, Bonjour
Security	HTTPS(SSL) login authentication, Digest login authentication IP address filtering, User access log, 802.1x authentication
Streaming Method	Unicast / Multicast
Max. User Access	15 users at unicast mode
Memory Slot	Micro SD/SDHC/SDXC Motion images recorded in the SDXC/SDHC/SD memory card can be downloaded
Application Programming Interfac	ONVIF profile S, HTTP API v2.0, SVNP 1.2
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek, Norwegian, Finnish, Norwegian
Web Viewer	Supported OS : Windows XP / VISTA / 7 / 8, MAC OS X 10.7 Supported Browser : Microsoft Internet Explorer (Ver. 10, 9, 8, 7), Mozilla Firefox (Ver. 19, 18, 17, 16, 15, 14, 13, 12, 11, 10, 9), Google Chrome (Ver. 25, 24, 23, 22, 21, 20, 19, 18, 17,16, 15), Apple Safari (Ver. 6.0.2(Mac OS X 10.8, 10.7 only), 5.1.7) * Mac OS X only
Central Management Software	SmartViewer 4.0
ENVIRONMENTAL	
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH
Storage Temperature / Humidity	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH
ELECTRICAL	
Input Voltage / Current	12V DC, PoE (IEEE802.3af class3)
Power Consumption	Max. 8.5W (12V DC), Max. 10.0W (PoE, Class3)
MECHANICAL	
Color / Material	Ivory / Plastic
Dimensions (WxH)	Ø132.1 x 107.6mm (Ø5.2" x 4.24")
Weight	485g (1.07 lb)

* Data recorded on an SD memory card may be lost or damaged by data access during power-off, mechanical shock, memory card detachment, or other operations. Data loss or damage can also occur when a memory card reaches end of life, which varies according to operational conditions. No guarantee is given against damage (including passive damage).

* The latest product information / specification can be found at www.samsungsecurity.com

SND-5080/5080F

1.3Megapixel HD Network Dome Camera



SND-5080 SND-5080F

1.3M | HD 720p | 3.6x V/F Lens | D&N ICR | PoE

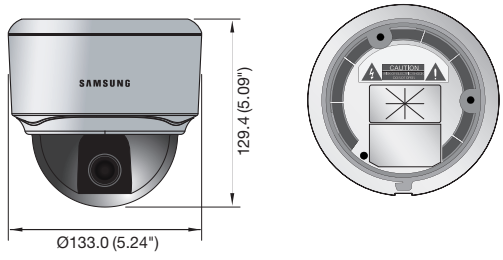
Key Features

- Max. 1.3M (1280 x 1024) resolution
- 16 : 9 HD (720p) resolution support
- 2.8 ~ 10mm (3.6x) varifocal lens
- H.264, MPEG-4, MJPEG multiple codec
- Multiple streaming, Intelligent video analytics
- PoE, SD memory, Bi-directional audio support

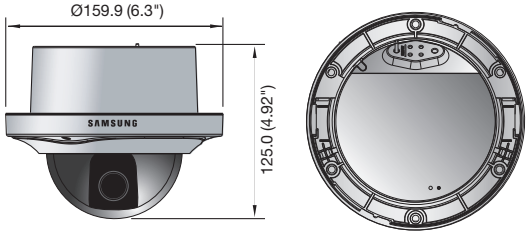
Dimensions

Unit : mm (inch)

SND-5080



SND-5080F



Accessories (Optional)



SBP-301HM2 SBP-300LM SBP-300CM SBP-300WM1 SBP-300WM SBP-300B SBP-300PM SBP-300KM

Technical Specifications

	SND-5080(F)N/P
VIDEO	
Imaging Device	1/3" 1.3M PS CMOS
Total Pixels	1,384(H) x 1,076(V)
Effective Pixels	1,329(H) x 1,049(V)
Scanning System	Progressive
Min. Illumination	Color : 0.3Lux (F1.2, 50IRE), 0.005Lux (Sens-up 60x) B/W : 0.01Lux (F1.2, 50IRE), 0.0002Lux (Sens-up 60x)
S / N Ratio	50dB
Video Output	CVBS : 1.0 Vp-p / 75Ω composite, 704 x 480(N), 704 x 576(P), for installation
LENS	
Focal Length (Zoom Ratio)	2.8 ~ 10mm (3.6x) varifocal
Max. Aperture Ratio	F1.2
Angular Field of View	H : 94.6°(Wide) ~ 28.8°(Tele) / V : 68.4°(Wide) ~ 21.6°(Tele)
Lens Type	DC auto iris
Mount Type	Board-in type
PAN / TILT / ROTATE	
Pan Range	0° ~ 355°
Tilt Range	0° ~ 90°
Rotate Range	0° ~ 355°
OPERATIONAL	
Camera Title	Off / On (Displayed up to 15 characters)
Day & Night	Auto (ICR) / Color / B/W / External B/W
Backlight Compensation	Off / BLC / HLC
Contrast Enhancement	SSDR (Samsung Super Dynamic Range) (Off / On)
Digital Noise Reduction	SSNRIII (2D+3D noise filter) (Off / On)
Motion Detection	Off / On (4 programmable zones)
Privacy Masking	Off / On (12 programmable zones)
Sens-up (Frame Integration)	Off / Auto (2x ~ 60x)
Gain Control	Off / Low / Medium / High / Manual
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Auto / A.FLK / Manual (1/30 ~ 30,000sec)
Flip / Mirror	Off / On
Intelligent Video Analytics	Scene change, Virtual line, Enter / Exit, Appear / Disappear
Alarm I/O	Input 1ea / Output 1ea (Relay)
NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264, MPEG-4, MJPEG
Resolution	1280 x 1024, 1280 x 720P (HD), 1024 x 768, 800 x 600, 640 x 480, 320 x 240
Max. Framerate	H.264, MJPEG : 30fps MPEG-4 : 25fps (1280 x 1024), 30fps (720P HD)
Video Quality Adjustment	H.264, MPEG-4 : Compression level, Target bitrate level control MJPEG : Quality level control
Bitrate Control Method	H.264, MPEG-4 : CBR or VBR, MJPEG : VBR
Streaming Capability	Multiple streaming (Up to 10 profiles)
Audio I/O	Mic / Line in, Line out
Audio Compression Format	G.711 u-law
Audio Communication	Bi-directional audio
IP	IPv4, IPv6
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS
Security	HTTPS(SSL) login authentication, Digest login authentication IP address filtering, User access log, 802.1x authentication
Streaming Method	Unicast / Multicast
Max. User Access	10 users at unicast mode
Memory Slot	SD/SDHC memory slot
ONVIF Conformance	Yes
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek
Web Viewer	Supported OS : Windows XP / VISTA / 7, MAC OS Supported Browser : Internet Explorer 7.0/8.0, Firefox, Google Chrome, Apple Safari
Central Management Software	NET-i viewer
ENVIRONMENTAL	
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / 20% ~ 80% RH
ELECTRICAL	
Input Voltage / Current	12V DC, 24V AC, PoE (IEEE802.3af)
Power Consumption	Max. 7W
MECHANICAL	
Color / Material	White / Plastic
Dimensions (WxH)	SND-5080 : Ø133.0 x 129.4mm (Ø5.24" x 5.09") SND-5080F : Ø159.9 x 125.0mm (Ø6.3" x 4.92") (Flush mounting type)
Weight	SND-5080 : 550g (1.21 lb) SND-5080F : 650g (1.43 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

SND-5061

1.3Megapixel HD Network Dome Camera



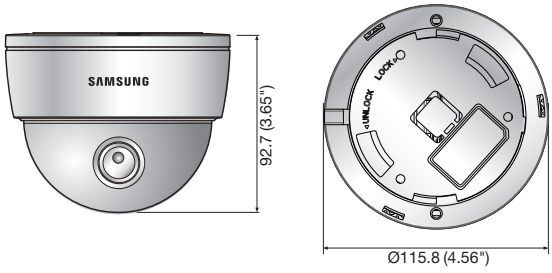
1.3M | HD 720p | 2.8x V/F Lens | E-D&N | PoE

Key Features

- Max. 1.3M (1280 x 1024) resolution
- 16 : 9 HD (720p) resolution support
- 3 ~ 8.5mm (2.8x) varifocal lens
- H.264, MJPEG dual codec
- Multiple streaming
- Tampering
- PoE

Dimensions

Unit : mm (inch)



Technical Specifications

	SND-5061N/P
VIDEO	
Imaging Device	1/3" 1.3M PS CMOS
Total Pixels	1,384(H) x 1,076(V)
Effective Pixels	1,329(H) x 1,049(V)
Scanning System	Progressive
Min. Illumination	0.7Lux (F1.2, 50IRE), 0.012Lux (Sens-up 60x)
Video Output	CVBS : 1.0 Vp-p / 75Ω composite, 704 x 480(N), 704 x 576(P), for installation
LENS	
Focal Length (Zoom Ratio)	3 ~ 8.5mm (2.8x) varifocal
Max. Aperture Ratio	F1.2
Angular Field of View	H : 88.3°(Wide) ~ 32.4°(Tele) / V : 71.5°(Wide) ~ 26°(Tele)
Min. Object Distance	0.5m (1.64ft)
Focus Control	Manual
Lens Type	DC auto iris
Mount Type	Board-in type
PAN / TILT / ROTATE	
Pan Range	0° ~ 355°
Tilt Range	17° ~ 90°
Rotate Range	0° ~ 355°
OPERATIONAL	
Camera Title	Off / On (Displayed up to 15 characters)
Day & Night	Auto (Electrical) / Color / B/W
Backlight Compensation	Off / BLC
Digital Noise Reduction	SSNR (Off / On)
Motion Detection	Off / On (4 programmable zones, 20fps)
Privacy Masking	Off / On (12 rectangular zones)
Sens-up (Frame Integration)	Off / Auto (2x ~ 60x)
Gain Control	Off / Low / Medium / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Auto / A.FLK / Manual (1/30 ~ 12,000sec)
Flip / Mirror	Off / On
Intelligent Video Analytics	Tampering (20fps)
Alarm I/O	Input 1ea
NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264, MJPEG
Resolution	1280 x 1024, 1280 x 720P(HD), 1024 x 768, 800 x 600, 640 x 480, 320 x 240
Max. Framerate	30fps
Video Quality Adjustment	H.264 : Compression level, Target bitrate level control MJPEG : Quality level control
Bitrate Control Method	H.264 : CBR or VBR, MJPEG : VBR
Streaming Capability	Multiple streaming (Up to 10 profiles)
IP	IPv4, IPv6
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS
Security	HTTPS(SSL) login authentication, Digest login authentication IP address filtering, User access log, 802.1x authentication
Streaming Method	Unicast / Multicast
Max. User Access	10 users at unicast mode
ONVIF Conformance	Yes
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek, Norwegian, Finnish
Web Viewer	Supported OS : Windows XP / VISTA / 7, MAC OS 10.7 or higher Supported Browser : Internet Explorer 7.0 or Higher, Firefox 9 or higher, Google Chrome 15 or higher, Apple Safari 5.1 or higher
Central Management Software	NET-i viewer
ENVIRONMENTAL	
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH
Storage Temperature / Humidity	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH
ELECTRICAL	
Input Voltage / Current	12V DC, PoE (IEEE802.3af)
Power Consumption	Max. 3.7W (12V DC), Max. 4.3W (PoE)
MECHANICAL	
Color / Material	Ivory / Plastic
Dimensions (WxH)	Ø115.8 x 92.7mm (Ø4.56" x 3.65")
Weight	345g (0.76 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

SND-5011

1.3Megapixel HD Network Dome Camera



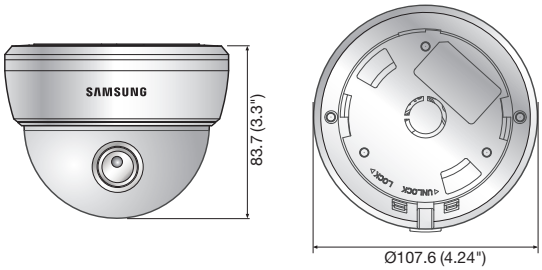
1.3M | HD 720p | 3mm | E-D&N | PoE

Key Features

- Max. 1.3M (1280 x 1024) resolution
- 16 : 9 HD (720p) resolution support
- Built-in 3mm fixed lens
- H.264, MJPEG dual codec
- Multiple streaming
- Tampering
- PoE

Dimensions

Unit : mm (inch)



Technical Specifications

	SND-5011N/P
VIDEO	
Imaging Device	1/3" 1.3M PS CMOS
Total Pixels	1,384(H) x 1,076(V)
Effective Pixels	1,329(H) x 1,049(V)
Scanning System	Progressive
Min. Illumination	1.6Lux (F1.8, 50IRE), 0.027Lux (Sens-up 60x)
Video Output	CVBS : 1.0 Vp-p / 75Ω composite, 704 x 480(N), 704 x 576(P), for installation
LENS	
Focal Length (Zoom Ratio)	3mm fixed
Max. Aperture Ratio	F1.8
Angular Field of View	H : 91.2˚ / V : 72.3˚ / D : 119.1˚
Min. Object Distance	0.4m (1.31ft)
Focus Control	Manual
Mount Type	Board-in type
PAN / TILT / ROTATE	
Pan Range	0° ~ 352°
Tilt Range	0° ~ 90°
Rotate Range	0° ~ 352°
OPERATIONAL	
Camera Title	Off / On (Displayed up to 15 characters)
Day & Night	Auto (Electrical) / Color / B/W
Backlight Compensation	Off / BLC
Digital Noise Reduction	SSNR (Off / On)
Motion Detection	Off / On (4 programmable zones, 20fps)
Privacy Masking	Off / On (12 rectangular zones)
Sens-up (Frame Integration)	Off / Auto (2x ~ 60x)
Gain Control	Off / Low / Medium / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Auto / A.FLK / Manual (1/30 ~ 12,000sec)
Flip / Mirror	Off / On
Intelligent Video Analytics	Tampering (20fps)
Alarm I/O	Input 1ea
NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264, MJPEG
Resolution	1280 x 1024, 1280 x 720P(HD), 1024 x 768, 800 x 600, 640 x 480, 320 x 240
Max. Framerate	30fps
Video Quality Adjustment	H.264 : Compression level, Target bitrate level control MJPEG : Quality level control
Bitrate Control Method	H.264 : CBR or VBR, MJPEG : VBR
Streaming Capability	Multiple streaming (Up to 10 profiles)
IP	IPv4, IPv6
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS
Security	HTTPS(SSL) login authentication, Digest login authentication IP address filtering, User access log, 802.1x authentication
Streaming Method	Unicast / Multicast
Max. User Access	10 users at unicast mode
ONVIF Conformance	Yes
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek, Norwegian, Finnish
Web Viewer	Supported OS : Windows XP / VISTA / 7, MAC OS 10.7 or higher Supported Browser : Internet Explorer 7.0 or Higher, Firefox 9 or higher, Google Chrome 15 or higher, Apple Safari 5.1 or higher
Central Management Software	NET-i viewer
ENVIRONMENTAL	
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH
Storage Temperature / Humidity	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH
ELECTRICAL	
Input Voltage / Current	12V DC, PoE (IEEE802.3af)
Power Consumption	Max. 3.7W (12V DC), Max. 4.3W (PoE)
MECHANICAL	
Color / Material	Ivory / Plastic
Dimensions (WxH)	Ø107.6 x 83.7mm (Ø4.24" x 3.3")
Weight	285g (0.63 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

SND-5010

1.3Megapixel HD Network Flat Camera



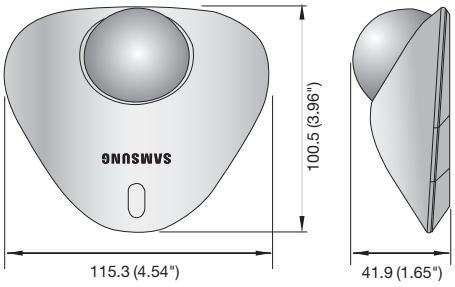
1.3M | HD 720p | 3mm | E-D&N | PoE

Key Features

- Max. 1.3M (1280 x 1024) resolution
- 16 : 9 HD (720p) resolution support
- Built-in 3mm fixed lens
- H.264, MJPEG dual codec
- Multiple streaming
- Tampering
- PoE

Dimensions

Unit : mm (inch)



Technical Specifications

	SND-5010N/P
VIDEO	
Imaging Device	1/3" 1.3M PS CMOS
Total Pixels	1,384(H) x 1,076(V)
Effective Pixels	1,329(H) x 1,049(V)
Scanning System	Progressive
Min. Illumination	1.6Lux (F1.8, 50IRE), 0.027Lux (Sens-up 60x)
Video Output	CVBS : 1.0 Vp-p / 75Ω composite, 704 x 480(N), 704 x 576(P), for installation
LENS	
Focal Length (Zoom Ratio)	3mm fixed
Max. Aperture Ratio	F1.8
Angular Field of View	H : 91.2° / V : 72.3°
Lens Type	Fixed iris
Mount Type	Board-in type
PAN / TILT / ROTATE	
Pan Range	-10° ~ 10°
Tilt Range	0° ~ 90°
OPERATIONAL	
Camera Title	Off / On (Displayed up to 15 characters)
Day & Night	Auto (Electrical) / Color / B/W
Backlight Compensation	Off / BLC
Digital Noise Reduction	SSNR (Off / On)
Motion Detection	Off / On (4 programmable zones, 20fps)
Privacy Masking	Off / On (12 rectangular zones)
Sens-up (Frame Integration)	Off / Auto (2x ~ 60x)
Gain Control	Off / Low / Medium / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Auto / A.FLK / Manual (1/30 ~ 12,000sec)
Flip / Mirror	Off / On
Intelligent Video Analytics	Tampering (20fps)
NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264, MJPEG
Resolution	1280 x 1024, 1280 x 720P(HD), 1024 x 768, 800 x 600, 640 x 480, 320 x 240
Max. Framerate	30fps
Video Quality Adjustment	H.264 : Compression level, Target bitrate level control MJPEG : Quality level control
Bitrate Control Method	H.264 : CBR or VBR, MJPEG : VBR
Streaming Capability	Multiple streaming (Up to 10 profiles)
IP	IPv4, IPv6
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS
Security	HTTPS(SSL) login authentication, Digest login authentication IP address filtering, User access log, 802.1x authentication
Streaming Method	Unicast / Multicast
Max. User Access	10 users at unicast mode
ONVIF Conformance	Yes
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek, Norwegian, Finnish
Web Viewer	Supported OS : Windows XP / VISTA / 7, MAC OS 10.7 or higher Supported Browser : Internet Explorer 7.0 or Higher, Firefox 9 or higher, Google Chrome 15 or higher, Apple Safari 5.1 or higher
Central Management Software	NET-i viewer
ENVIRONMENTAL	
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH
Storage Temperature / Humidity	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH
ELECTRICAL	
Input Voltage / Current	PoE (IEEE802.3af, Class1)
Power Consumption	Max. 3.3W
MECHANICAL	
Color / Material	Ivory / Plastic
Dimensions (WxHxD)	115.3 x 41.9 x 100.5mm (4.54" x 1.65" x 3.96 ")
Weight	140g (0.31 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

SND-3082/3082F

4CIF WDR Network Dome Camera



SND-3082 SND-3082F

4CIF | 3.9x V/F Lens | E-D&N | WDR | PoE

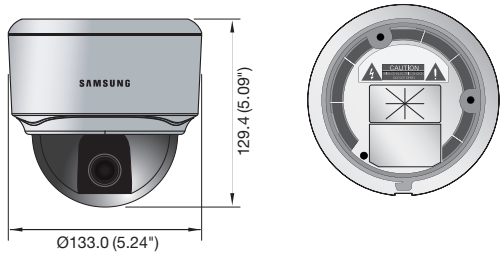
Key Features

- Max. 30(25)fps at 4CIF resolution
- 2.8 ~ 11mm (3.9x) varifocal lens
- H.264, MPEG-4, MJPEG multiple codec
- Multiple streaming
- Tampering
- PoE, SD memory, Bi-directional audio support

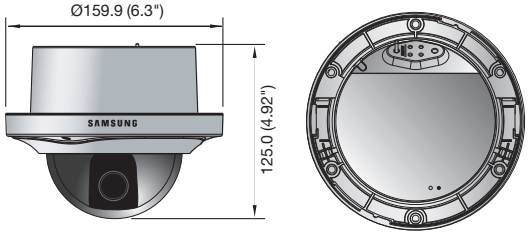
Dimensions

Unit : mm (inch)

SND-3082



SND-3082F



Accessories (Optional)



SBP-301HM2 SBP-300LM SBP-300CM SBP-300WM1 SBP-300WM SBP-300B SBP-300PM SBP-300KM

Technical Specifications

	SND-3082(F)N	SND-3082(F)P
VIDEO		
Imaging Device	1/3" Super HAD PS CCD	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Scanning System	Progressive (If WDR on, Interlaced scan)	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 600TV lines	
Min. Illumination	Color : 0.4Lux (F1.2, 50IRE), 0.001Lux (Sens-up 512x) B/W : 0.04Lux (F1.2, 50IRE), 0.0001Lux (Sens-up 512x)	
S / N Ratio	52dB	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	2.8 ~ 11mm (3.9x) varifocal	
Max. Aperture Ratio	F1.2	
Angular Field of View	H : 94.6°(Wide) ~ 28.8°(Tele) / V : 68.4°(Wide) ~ 21.6°(Tele)	
Lens Type	DC auto iris	
Mount Type	Board-in type	
PAN / TILT / ROTATE		
Pan Range	0° ~ 355°	
Tilt Range	0° ~ 90°	
Rotate Range	0° ~ 355°	
OPERATIONAL		
Camera Title	Off / On (Displayed up to 15 characters)	
Day & Night	Auto (Electrical) / Color / B/W / External	
Backlight Compensation	Off / BLC / WDR	
Wide Dynamic Range	52dB	
Contrast Enhancement	SSDR (Samsung Super Dynamic Range) (Off / On)	
Digital Noise Reduction	Motion adaptive 2D+3D noise filter (Off / Low / Middle / High / User)	
Digital Image Stabilization	Off / On	
Motion Detection	Off / On (4 programmable zones)	
Privacy Masking	Off / On (12 polygonal programmable zones, 4 point polygonal method)	
Sens-up (Frame Integration)	Off / Auto (2x ~ 512x)	
Gain Control	AGC (Low / Middle / High)	
White Balance	ATW1 / ATW2 / AWC / 3200°K / 5600°K	
Electronic Shutter Speed	Off / Auto (1/100 ~ 1/10,000sec)	Off / Auto (1/120 ~ 1/10,000sec)
Flip / Mirror	Off / On	
Intelligent Video Analytics	Tampering	
Alarm I/O	Input 1ea / Output 1ea (Relay)	
NETWORK		
Ethernet	RJ-45 (10/100BASE-T)	
Video Compression Format	H.264, MPEG-4, MJPEG	
Resolution	704 x 480, 640 x 480, 352 x 240	704 x 576, 640 x 480, 352 x 288
Max. Framerate	30fps	25fps
Video Quality Adjustment	H.264, MPEG-4 : Compression level, Target bitrate level control MJPEG : Quality level control	
Bitrate Control Method	H.264, MPEG-4 : CBR or VBR, MJPEG : VBR	
Streaming Capability	Multiple streaming (Up to 10 profiles)	
Audio I/O	Mic / Line in, Line out	
Audio Compression Format	G.711 u-law	
Audio Communication	Bi-directional audio	
IP	IPv4, IPv6	
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS	
Security	HTTPS(SSL) login authentication, Digest login authentication IP address filtering, User access log, 802.1x authentication	
Streaming Method	Unicast / Multicast	
Max. User Access	10 users at unicast mode	
Memory Slot	SD/SDHC memory slot	
ONVIF Conformance	Yes	
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek	
Web Viewer	Supported OS : Windows XP / VISTA / 7, MAC OS Supported Browser : Internet Explorer 7.0/8.0, Firefox, Google Chrome, Apple Safari	
Central Management Software	NET-i viewer	
ENVIRONMENTAL		
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / 20% ~ 80% RH	
Storage Temperature / Humidity	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH	
ELECTRICAL		
Input Voltage / Current	12V DC, 24V AC, PoE (IEEE802.3af)	
Power Consumption	Max. 6W	
MECHANICAL		
Color / Material	Ivory / Plastic	
Dimensions (WxH)	SND-3082 : Ø133.0 x 129.4mm (Ø5.24" x 5.09") SND-3082F : Ø159.9 x 125.0mm (Ø6.3" x 4.92") (Flush mounting type)	
Weight	SND-3082 : 580g (1.27 lb), SND-3082F : 755g (1.66 lb)	

* The latest product information / specification can be found at www.samsungsecurity.com

SND-1080

VGA Network Dome Camera



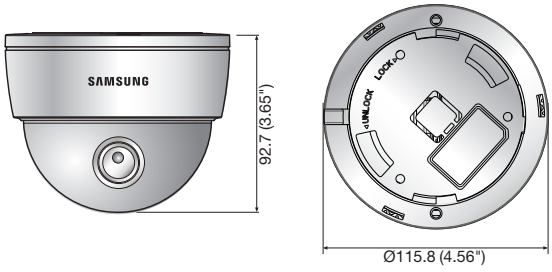
VGA | 3.5x V/F Lens | E-D&N | PoE

Key Features

- Max. 30fps at VGA resolution
- 2.2 ~ 7.7mm (3.5x) varifocal lens
- H.264, MJPEG dual codec
- Multiple streaming
- Face detection
- PoE, SD memory, Bi-directional audio support

Dimensions

Unit : mm (inch)



Technical Specifications

	SND-1080N/P
VIDEO	
Imaging Device	1/4" PS CMOS
Total Pixels	680(H) x 512(V)
Effective Pixels	640(H) x 480(V)
Scanning System	Progressive
Min. Illumination	0.7Lux (F1.2, 50IRE)
S / N Ratio	50dB
Video Out	DIP connector type, for installation
LENS	
Focal Length (Zoom Ratio)	2.2 ~ 7.7mm (3.5x) varifocal
Max. Aperture Ratio	F1.2
Angular Field of View	H : 94°(Wide) ~ 26.5°(Tele) / V : 70°(Wide) ~ 20°(Tele)
Min. Object Distance	0.5m (1.64ft)
Lens Type	DC auto iris
Mount Type	Board type (Ø14)
PAN / TILT / ROTATE	
Pan Range	0° ~ 352°
Tilt Range	17° ~ 90°
Rotate Range	0° ~ 351°
OPERATIONAL	
Camera Title	Off / On (Displayed up to 15 characters)
Day & Night	Auto (Electrical) / Color / B/W / External
Backlight Compensation	Off / BLC
Contrast Enhancement	SSDR (Samsung Super Dynamic Range) (Off / On)
Digital Noise Reduction	SSNRIII (2D+3D noise filter) (Off / On)
Motion Detection	Off / On (4 programmable zones)
Privacy Masking	Off / On (32ea 4 points polygonal)
Sens-up (Frame Integration)	Off / Auto (2x ~ 60x)
Gain Control	Off / Low / Medium / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Auto / A.FLK / Manual (60x ~ 1/12,000sec)
Flip / Mirror	Off / On
Intelligent Video Analytics	Face detection
Alarm I/O	Input 1ea
NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264, MJPEG
Resolution	640 x 480, 320 x 240, 160 x 120
Max. Framerate	Max. 30fps at all resolutions
Video Quality Adjustment	H.264 : Compression level, Target bitrate level control MJPEG : Quality level control
Bitrate Control Method	H.264 : CBR or VBR, MJPEG : VBR
Streaming Capability	Multiple streaming (Up to 10 profiles)
Audio I/O	Mic/Line in , Line out
Audio Compression Format	G.711 u-law
Audio Communication	Bi-directional audio
IP	IPv4, IPv6
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS
Security	HTTPS(SSL) login authentication, Digest login authentication IP address filtering, User access log, 802.1x Authentication
Streaming Method	Unicast / Multicast
Max. User Access	10 users at unicast mode
Memory Slot	Micro SD/SDHC memory slot
ONVIF Conformance	Yes
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek
Web Viewer	Supported OS : Windows XP / VISTA / 7, MAC OS Supported Browser : Internet Explorer 7.0/8.0, Firefox, Google Chrome, Apple Safari
Central Management Software	NET-i viewer
ENVIRONMENTAL	
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / 20% ~ 80% RH
ELECTRICAL	
Input Voltage / Current	12V DC, PoE (IEEE802.3af)
Power Consumption	Max.3.4W (12V DC), Max.4W (PoE)
MECHANICAL	
Color / Material	Ivory / Plastic
Dimensions (WxH)	Ø115.8 x 92.7mm (Ø4.56" x 3.65")
Weight	380g (0.84lb)

* The latest product information / specification can be found at www.samsungsecurity.com

SND-1011

VGA Network Dome Camera



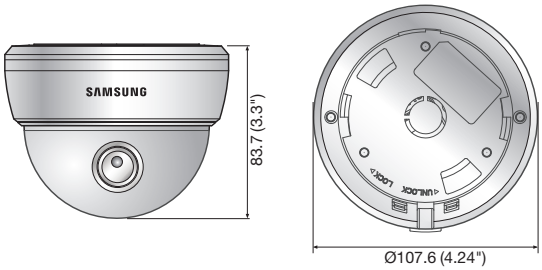
VGA | 3mm | E-D&N | PoE

Key Features

- Max. 30fps at VGA resolution
- Built-in 3mm fixed lens
- H.264, MJPEG dual codec
- Multiple streaming
- Face detection
- PoE, SD memory

Dimensions

Unit : mm (inch)



Technical Specifications

	SND-1011N/P
VIDEO	
Imaging Device	1/4" PS CMOS
Total Pixels	680(H) x 512(V)
Effective Pixels	640(H) x 480(V)
Scanning System	Progressive
Min. Illumination	0.7Lux (F1.2, 50IRE)
S / N Ratio	50dB
Video Out	DIP connector type, for installation
LENS	
Focal Length (Zoom Ratio)	3mm fixed
Max. Aperture Ratio	F2.0
Angular Field of View	H : 70˚ / V : 50˚
Min. Object Distance	0.4m (1.31ft)
Mount Type	Board type
PAN / TILT / ROTATE	
Pan Range	0° ~ 352°
Tilt Range	17° ~ 90°
Rotate Range	0° ~ 355°
OPERATIONAL	
Camera Title	Off / On (Displayed up to 15 characters)
Day & Night	Auto (Electrical) / Color / B/W
Backlight Compensation	Off / BLC
Contrast Enhancement	SSDR (Samsung Super Dynamic Range) (Off / On)
Digital Noise Reduction	SSNRIII (2D+3D noise filter) (Off / On)
Motion Detection	Off / On (4 programmable zones)
Privacy Masking	Off / On (32ea 4 points polygonal)
Sens-up (Frame Integration)	Off / Auto (2x ~ 60x)
Gain Control	Off / Low / Medium / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Auto / A.FLK / Manual (60x ~ 1/12,000sec)
Flip / Mirror	Off / On
Intelligent Video Analytics	Face detection
Alarm I/O	Input 1ea
NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264, MJPEG
Resolution	640 x 480, 320 x 240, 160 x 120
Max. Framerate	Max. 30fps at all resolutions
Video Quality Adjustment	H.264 : Compression level, Target bitrate level control MJPEG : Quality level control
Bitrate Control Method	H.264 : CBR or VBR, MJPEG : VBR
Streaming Capability	Multiple streaming (Up to 10 profiles)
IP	IPv4, IPv6
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS
Security	HTTPS(SSL) login authentication, Digest login authentication IP address filtering, User access log, 802.1x Authentication
Streaming Method	Unicast / Multicast
Max. User Access	10 users at unicast mode
Memory Slot	Micro SD/SDHC memory slot
ONVIF Conformance	Yes
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek
Web Viewer	Supported OS : Windows XP / VISTA / 7, MAC OS Supported Browser : Internet Explorer 7.0/8.0, Firefox, Google Chrome, Apple Safari
Central Management Software	NET-i viewer
ENVIRONMENTAL	
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / 20% ~ 80% RH
ELECTRICAL	
Input Voltage / Current	12V DC, PoE (IEEE802.3af)
Power Consumption	Max.3.4W (12V DC), Max.4W (PoE)
MECHANICAL	
Color / Material	Ivory / Plastic
Dimensions (WxH)	Ø107.6 x 83.7mm (Ø4.24" x 3.3")
Weight	280g (0.62 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

SND-6084R

2Megapixel Full HD Network IR Dome Camera



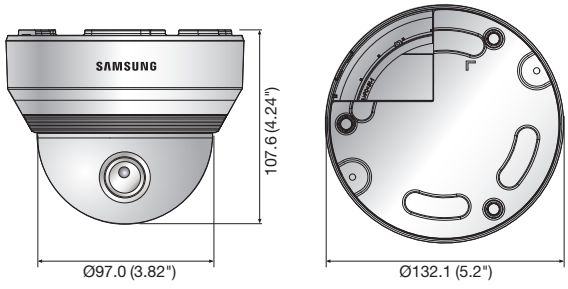
2M | Full HD 1080p | 2.8x Motorized V/F Lens | D&N ICR | WDR | IR LED

Key Features

- Max. 2M (1920 x 1080) resolution
- 16 : 9 Full HD (1080p) resolution support
- 3 ~ 8.5mm (2.8x) motorized varifocal lens
- H.264, MJPEG dual codec, Multiple streaming
- Audio / Face / Motion detection
- Simple focus, UPnP, Defog
- SD/SDHC/SDXC memory slot
- Multi-crop streaming, PoE
- Bi-directional audio support, IR LED (12ea)

Dimensions

Unit : mm (inch)



Accessories (Optional)



SBP-301HM2 SBP-300LM SBP-300CM SBP-300WM1 SBP-300WM SBP-300B SBP-300PM SBP-300KM

Technical Specifications

	SND-6084RN/P
VIDEO	
Imaging Device	1/2.8" PS Exmor 2.38M CMOS
Total Pixels	1,952(H) x 1,116(V)
Effective Pixels	1,944(H) x 1,104(V)
Scanning System	Progressive
Min. Illumination	Color : 0.1Lux (F1.2, 50IRE), B/W : 0Lux (F1.2, 50IRE, IR LED on)
S / N Ratio	50dB
Video Output	CVBS : 1.0 Vp-p / 75Ω composite, 704 x 480(N), 704 x 576(P), for installation DIP connector type
LENS	
Focal Length (Zoom Ratio)	3 ~ 8.5mm (2.8x) motorized varifocal
Max. Aperture Ratio	F1.2
Angular Field of View	H : 105.5°(Wide) ~ 37.1°(Tele) / V : 57.5°(Wide) ~ 21.0°(Tele)
Min. Object Distance	0.5m (1.64ft)
Focus Control	Simple focus (Motorized V/F) / Manual Remote control via network (Manual, Simple focus, Day & Night)
Lens Type	DC auto iris
Mount Type	Board-in type
PAN / TILT / ROTATE	
Pan / Tilt / Rotate Range	0° ~ 354° / 0° ~ 67° / 0° ~ 355°
OPERATIONAL	
IR LED	12ea
Viewable Length	15m (49.21ft)
Camera Title	Off / On (Displayed up to 45 characters)
Day & Night	Auto (ICR) / Color / B/W / External / Schedule
Backlight Compensation	Off / BLC
Wide Dynamic Range	100dB↑
Contrast Enhancement	SSDR (Samsung Super Dynamic Range) (Off / On)
Digital Noise Reduction	SSNRIII (2D+3D noise filter) (Off / On)
Digital Image Stabilization	Off / On
Defog	Off / Auto / Manual
Motion Detection	Off / On (4ea 4points polygonal zones)
Privacy Masking	Off / On (32zones with 4points of polygonal)
Sens-up (Frame Integration)	Off / Auto (2x ~ 60x)
Gain Control	Off / Low / Middle / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Minimum / Maximum / Anti flicker
Flip / Mirror	Off / On
Intelligent Video Analytics	Tampering, Virtual line, Enter/Exit, Appear / Disappear, Audio detection, Face detection
Alarm I/O	Input 1ea / Output 1ea
Alarm Triggers	Motion detection, Audio detection, Face detecton, Video analytics, Alarm input
Alarm Events	File upload via FTP and E-mail, Notification via E-mail, TCP and HTTP, Local storage (SD/SDHC/SDXC) recording at Network disconnected & Event (Alarm triggers), External output
NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264 (MPEG-4 part 10/AVC), MJPEG
Resolution	1920 x 1080, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768, 800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180
Max. Framerate	H.264 : Max. 60fps at all resolutions MJPEG : 1920 x 1080, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768 : Max. 15fps 800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180 : Max.30fps
Video Quality Adjustment	H.264 : Compression level, Target bitrate level control, MJPEG : Quality level control
Bitrate Control Method	H.264 : CBR or VBR, MJPEG : VBR
Streaming Capability	Multiple streaming (Up to 10 profiles)
Audio I/O	Selectable (Mic in / Line in), Max output level : 1 Vrms Supply voltage : 3.3V DC (4mA), Input impedance : approx. 2K Ohm
Audio Compression Format	G.711 u-law /G.726 selectable, G.726 (ADPCM) 8KHz, G.711 8KHz G.726 : 16Kbps, 24Kbps, 32Kbps, 40Kbps
Audio Communication	Bi-directional audio
IP	IPv4, IPv6
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP,RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, PIM-SM, UPnP, Bonjour
Security	HTTPS(SSL) login authentication, Digest login authentication IP address filtering, User access log, 802.1x authentication
Streaming Method	Unicast / Multicast
Max. User Access	15 users at unicast mode
Memory Slot	Micro SD/SDHC/SDXC Motion images recorded in the SDXC/SDHC/SD memory card can be downloaded
Application Programming Interfac	ONVIF profile S, HTTP API v2.0, SVNP 1.2
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek, Norwegian, Finnish, Norwegian
Web Viewer	Supported OS : Windows XP / VISTA / 7 / 8, MAC OS X 10.7 Supported Browser : Microsoft Internet Explorer (Ver. 10, 9, 8, 7), Mozilla Firefox (Ver. 19, 18, 17, 16, 15, 14, 13, 12, 11, 10, 9), Google Chrome (Ver. 25, 24, 23, 22, 21, 20, 19, 18, 17,16, 15), Apple Safari (Ver. 6.0.2(Mac OS X 10.8, 10.7 only), 5.1.7) * Mac OS X only
Central Management Software	SmartViewer 4.0
ENVIRONMENTAL	
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH
Storage Temperature / Humidity	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH
ELECTRICAL	
Input Voltage / Current	12V DC, PoE (IEEE802.3af)
Power Consumption	Max. 8.5W
MECHANICAL	
Color / Material	Ivory / Polycarbonate (PC)
Dimensions (WxH)	Ø132.1 x 107.6mm (Ø5.2" x 4.24")
Weight	525g (1.16 lb)

* Data recorded on an SD memory card may be lost or damaged by data access during power-off, mechanical shock, memory card detachment, or other operations. Data loss or damage can also occur when a memory card reaches end of life, which varies according to operational conditions. No guarantee is given against damage (including passive damage).

* The latest product information / specification can be found at www.samsungsecurity.com

SNV-7082

3Megapixel Full HD Vandal-Resistant Network Dome Camera



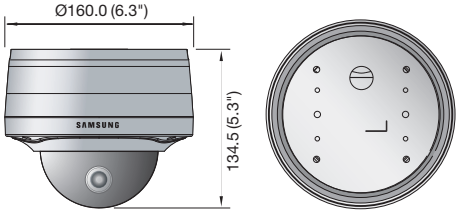
3M | Full HD 1080p | 2.8x Motorized V/F Lens | D&N ICR | WDR | PoE

Key Features

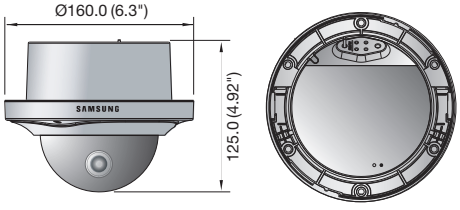
- Max. 3M (2048 x 1536) resolution
- 16 : 9 Full HD (1080p) resolution support
- 3 ~ 8.5mm (2.8x) motorized varifocal lens
- H.264, MJPEG dual codec
- Multiple streaming
- Smart compression (ROI encoding)
- Audio / Face / Motion detection
- Simple focus, UPnP
- PoE, IP66, IK10, Bi-directional audio support

Dimensions

Unit : mm (inch)



Flush Type



Accessories (Optional)



SBP-301HM3 SBP-300LM SBP-300CM SBP-300WM1 SBP-300WM SBP-300B SBP-300PM SBP-300KM

Technical Specifications

	SNV-7082N/P
VIDEO	
Imaging Device	1/3" 3.1M PS CMOS
Total Pixels	2,064(H) x 1,578(V)
Effective Pixels	2,052(H) x 1,536(V)
Scanning System	Progressive
Min. Illumination	Color : 0.7Lux (F1.2, 50IRE), 0.011Lux (Sens-up 60x) B/W : 0.07Lux (F1.2, 50IRE), 0.001Lux (Sens-up 60x)
S / N Ratio	50dB
Video Output	CVBS : 1.0 Vp-p / 75Ω composite, 704 x 480(N), 704 x 576(P), for installation
LENS	
Focal Length (Zoom Ratio)	3 ~ 8.5mm (2.8x) motorized varifocal
Max. Aperture Ratio	F1.2
Angular Field of View	H : 87.3°(Wide) ~ 31.2°(Tele) / V : 64.5°(Wide) ~ 23.4°(Tele)
Min. Object Distance	0.5m (1.64ft)
Focus Control	Manual / Simple focus / Day & Night
Lens Type	DC auto iris
Mount Type	Board-in type
PAN / TILT / ROTATE	
Pan Range	0° ~ 355°
Tilt Range	0° ~ 90°
OPERATIONAL	
Camera Title	Off / On (Displayed up to 15 characters)
Day & Night	Auto (ICR) / Color / B/W / External
Backlight Compensation	Off / BLC / HLC / WDR
Wide Dynamic Range	Off / On (96dB) 3M mode : 20fps, 2M mode : 30fps
Contrast Enhancement	SSDR (Samsung Super Dynamic Range) (Off / On)
Digital Noise Reduction	SSNRIII (2D+3D noise filter) (Off / On)
Motion Detection	Off / On (4 rectangular zones)
Privacy Masking	Off / On (1ea 4 point polygonal + 16ea rectangular zones)
Sens-up (Frame Integration)	Off / Auto (2x ~ 60x)
Gain Control	Off / Low / Medium / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Auto / A.FLK / Manual (1/30 ~ 12,000sec)
Flip / Mirror	Off / On
Intelligent Video Analytics	Audio detection, Face detection, Tampering, Virtual line, Enter / Exit, Appear / Disappear
Alarm I/O	Digital 1 / 1
Alarm Triggers	Motion detection, Video analytics, Sensor input
Alarm Events	File upload via FTP, E-mail / Notification via E-mail, TCP / Local storage (SD/SDHC) recording at network disconnected
NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264 (MPEG-4 part 10/AVC), MJPEG
Resolution	3M mode - 2048 x 1536, 1920 x 1080, 1600 x 1200, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768, 800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180 2M mode - 1920 x 1080, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768, 800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180
Max. Framerate	3M mode - H.264 : Max. 20fps at all resolutions MJPEG : 800 x 600 ~ 320 x 180 - 20fps, 1024 x 768 ~1920 x 1080 - 15fps 2048 x 1536 - 10fps 2M mode - H.264 : Max. 30fps at all resolutions MJPEG : 800 x 600 ~ 320 x 180 - 30fps, 1024 x 768 ~ 1920 x 1080 - 15fps
Smart Codec	Yes (Area based method)
Video Quality Adjustment	H.264 : Compression level, Target bitrate level control MJPEG : Quality level control
Bitrate Control Method	H.264 : CBR or VBR, MJPEG : VBR
Streaming Capability	Multiple streaming (Up to 6 profiles)
Audio I/O	Mic / Line in, Line out
Audio Compression Format	G.711 u-law, G.726 (16Kbps, 24Kbps, 32Kbps, 40Kbps)
Audio Communication	Bi-directional audio
IP	IPv4, IPv6
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP
Security	HTTPS(SSL) login authentication, Digest login authentication IP address filtering, User access log, 802.1x authentication
Streaming Method	Unicast / Multicast
Max. User Access	10 users at unicast mode
Memory Slot	SD/SDHC memory slot
ONVIF Conformance	Yes (Profile S)
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek, Norwegian, Finnish
Web Viewer	Supported OS : Windows XP / VISTA / 7, MAC OS X 10.7 or higher Supported Browser : Internet explorer 7.0 or higher, Firefox 9.0 or higher, Chrome 15.0 or higher, Safari 5.1 or higher
Central Management Software	NET-i viewer, SSM (Samsung Security Manager)
ENVIRONMENTAL	
Operating Temperature / Humidity	12V DC : -10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH PoE : -40°C ~ +55°C (-40°F ~ +131°F) / Less than 90% RH *Heater works at PoE power input. After start up, working at -35° by PoE
Storage Temperature / Humidity	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH
Ingress Protection	IP66 grade
Vandal Resistance	IK10
ELECTRICAL	
Input Voltage / Current	12V DC, PoE (IEEE802.3af)
Power Consumption	Max. 9W (12V DC, PoE (class3) - Heater off), Max. 12.95W (PoE (Class3) - Heater on)
MECHANICAL	
Color / Material	Ivory / Aluminum
Dimensions (WxH)	Ø160.0 x 134.5mm (Ø6.3" x 5.3")
Weight	1.32Kg (2.91lb)

* The latest product information / specification can be found at www.samsungsecurity.com

SNV-5080

1.3Megapixel HD Vandal-Resistant Network Dome Camera



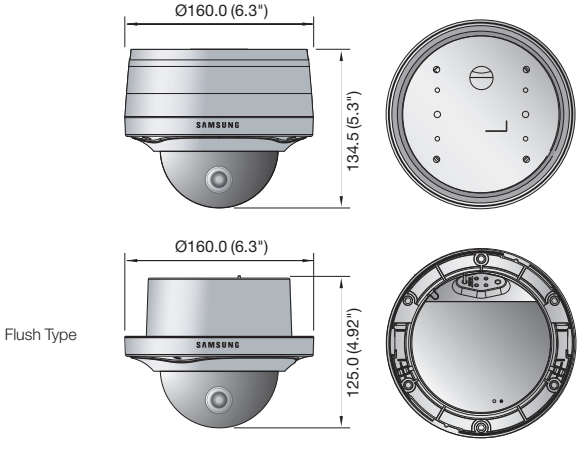
1.3M | HD 720p | 3.6x V/F Lens | D&N ICR | PoE

Key Features

- Max. 1.3M (1280 x 1024) resolution
- 16 : 9 HD (720p) resolution support
- 2.8 ~ 10mm (3.6x) varifocal lens
- H.264, MPEG-4, MJPEG multiple codec
- Multiple streaming
- Intelligent video analytics
- PoE, SD memory, IP66, IK10, Bi-directional audio support

Dimensions

Unit : mm (inch)



Accessories (Optional)



SBP-301HM3 SBP-300LM SBP-300CM SBP-300WM1 SBP-300WM SBP-300B SBP-300PM SBP-300KM

Technical Specifications

	SNV-5080N/P
VIDEO	
Imaging Device	1/3" 1.3M PS CMOS
Total Pixels	1,384(H) x 1,076(V)
Effective Pixels	1,329(H) x 1,049(V)
Scanning System	Progressive
Min. Illumination	Color : 0.3Lux (F1.2, 50IRE), 0.005Lux (Sens-up 60x) B/W : 0.01Lux (F1.2, 50IRE), 0.0002Lux (Sens-up 60x)
S / N Ratio	50dB
Video Output	CVBS : 1.0 Vp-p / 75Ω composite, 704 x 480(N), 704 x 576(P), for installation
LENS	
Focal Length (Zoom Ratio)	2.8 ~ 10mm (3.6x) varifocal
Max. Aperture Ratio	F1.2
Angular Field of View	H : 94.6°(Wide) ~ 28.8°(Tele) / V : 68.4°(Wide) ~ 21.6°(Tele)
Lens Type	DC auto iris
Mount Type	Board-in type
PAN / TILT / ROTATE	
Pan Range	0° ~ 355°
Tilt Range	0° ~ 90°
Rotate Range	0° ~ 355°
OPERATIONAL	
Camera Title	Off / On (Displayed up to 15 characters)
Day & Night	Auto (ICR) / Color / B/W / External B/W
Backlight Compensation	Off / BLC / HLC
Contrast Enhancement	SSDR (Samsung Super Dynamic Range) (Off / On)
Digital Noise Reduction	SSNRIII (2D+3D noise filter) (Off / On)
Motion Detection	Off / On (4 programmable zones)
Privacy Masking	Off / On (12 programmable zones)
Sens-up (Frame Integration)	Off / Auto (2x ~ 60x)
Gain Control	Off / Low / Medium / High / Manual
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Auto / A.FLK / Manual (1/30 ~ 30,000sec)
Flip / Mirror	Off / On
Intelligent Video Analytics	Scene change, Virtual line, Enter / Exit, Appear / Disappear
Alarm I/O	Input 1ea / Output 1ea (Relay)
NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264, MPEG-4, MJPEG
Resolution	1280 x 1024, 1280 x 720P (HD), 1024 x 768, 800 x 600, 640 x 480, 320 x 240
Max. Framerate	H.264, MJPEG : 30fps MPEG-4 : 25fps (1280 x 1024), 30fps (720P HD)
Video Quality Adjustment	H.264, MPEG-4 : Compression level, Target bitrate level control MJPEG : Quality level control
Bitrate Control Method	H.264, MPEG-4 : CBR or VBR, MJPEG : VBR
Streaming Capability	Multiple streaming (Up to 10 profiles)
Audio I/O	Mic / Line in, Line out
Audio Compression Format	G.711 u-law
Audio Communication	Bi-directional audio
IP	IPv4, IPv6
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS
Security	HTTPS(SSL) login authentication, Digest login authentication IP address filtering, User access log, 802.1x authentication
Streaming Method	Unicast / Multicast
Max. User Access	10 users at unicast mode
Memory Slot	SD/SDHC memory slot
ONVIF Conformance	Yes
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek
Web Viewer	Supported OS : Windows XP / VISTA / 7, MAC OS Supported Browser : Internet Explorer 7.0/8.0, Firefox, Google Chrome, Apple Safari
Central Management Software	NET-i viewer
ENVIRONMENTAL	
Operating Temperature / Humidity	24V AC : -40°C ~ +55°C (-40°F ~ +131°F) / Less than 90% RH (Heater on) 12V DC, PoE : -10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH (Heater off)
Ingress Protection	IP66 grade
Vandal Resistance	IK10
ELECTRICAL	
Input Voltage / Current	12V DC, 24V AC, PoE (IEEE802.3af)
Power Consumption	Max. 8W (Heater off), Max. 11W (Heater on) * Heater works at AC input only
MECHANICAL	
Color / Material	Ivory / Aluminum
Dimensions (WxH)	Ø160.0 x 134.5mm (Ø6.3" x 5.3")
Weight	1.3Kg (2.87 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

SNV-5010

1.3Megapixel HD Vandal-Resistant Network Flat Camera



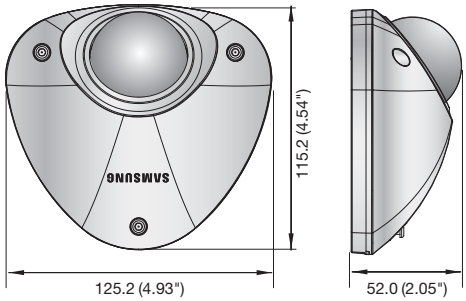
1.3M | HD 720p | 3mm | PoE

Key Features

- Max. 1.3M (1280 x 1024) resolution
- 16 : 9 HD (720p) resolution support
- Built-in 3mm fixed lens
- H.264, MPEG-4, MJPEG multiple codec
- Multiple streaming
- Intelligent video analytics
- PoE, IP66, IK10

Dimensions

Unit : mm (inch)



Technical Specifications

	SNV-5010N/P
VIDEO	
Imaging Device	1/3" 1.3M PS CMOS
Total Pixels	1,384(H) x 1,076(V)
Effective Pixels	1,329(H) x 1,049(V)
Scanning System	Progressive
Min. Illumination	Color : 1Lux (F1.8, 50IRE), 0.016Lux (Sens-up 60x)
S / N Ratio	50dB
Video Output	DIP connector type, 704 x 480(N), 704 x 576(P), for installation
LENS	
Focal Length (Zoom Ratio)	3mm
Max. Aperture Ratio	F1.8
Angular Field of View	H : 91.2° / V : 72.3°
Lens Type	Fixed iris
Mount Type	Board-in type
PAN / TILT / ROTATE	
Pan Range	-10° ~ 10°
Tilt Range	0° ~ 90°
OPERATIONAL	
Camera Title	Off / On (Displayed up to 15 characters)
Backlight Compensation	Off / BLC / HLC
Contrast Enhancement	SSDR (Samsung Super Dynamic Range) (Off / On)
Digital Noise Reduction	SSNRIII (2D+3D noise filter) (Off / On)
Motion Detection	Off / On (4 programmable zones)
Privacy Masking	Off / On (12 programmable zones)
Sens-up (Frame Integration)	Off / Auto (2x ~ 60x)
Gain Control	Off / Low / Medium / High / Manual
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Auto / A.FLK / Manual (1/30 ~ 30,000sec)
Flip / Mirror	Off / On
Intelligent Video Analytics	Scene change, Virtual line, Enter / Exit, Appear / Disappear
NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264, MPEG-4, MJPEG
Resolution	1280 x 1024, 1280 x 720P (HD), 1024 x 768, 800 x 600, 640 x 480, 320 x 240
Max. Framerate	H.264, MJPEG : 30fps MPEG-4 : 25fps (1280 x 1024), 30fps (720P HD)
Video Quality Adjustment	H.264, MPEG-4 : Compression level, Target bitrate level control MJPEG : Quality level control
Bitrate Control Method	H.264, MPEG-4 : CBR or VBR, MJPEG : VBR
Streaming Capability	Multiple streaming (Up to 10 profiles)
IP	IPv4, IPv6
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS
Security	HTTPS(SSL) login authentication, Digest login authentication IP address filtering, User access log, 802.1x authentication
Streaming Method	Unicast / Multicast
Max. User Access	10 users at unicast mode
ONVIF Conformance	Yes
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek
Web Viewer	Supported OS : Windows XP / VISTA / 7, MAC OS Supported Browser : Internet Explorer 7.0/8.0, Firefox, Google Chrome, Apple Safari
Central Management Software	NET-i viewer
ENVIRONMENTAL	
Operating Temperature / Humidity	-10°C ~ +55°C (-14°F ~ +131°F) / Less than 90% RH
Ingress Protection	IP66 grade
Vandal Resistance	IK10
ELECTRICAL	
Input Voltage / Current	12V DC, PoE (IEEE802.3af)
Power Consumption	Max. 6W
MECHANICAL	
Color / Material	Ivory / Aluminum
Dimensions (WxHxD)	125.2 x 52.0 x 115.2mm (4.93" x 2.05" x 4.54")
Weight	435g (0.96 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

SNV-3120

4CIF 12x Vandal-Resistant Network Dome Camera



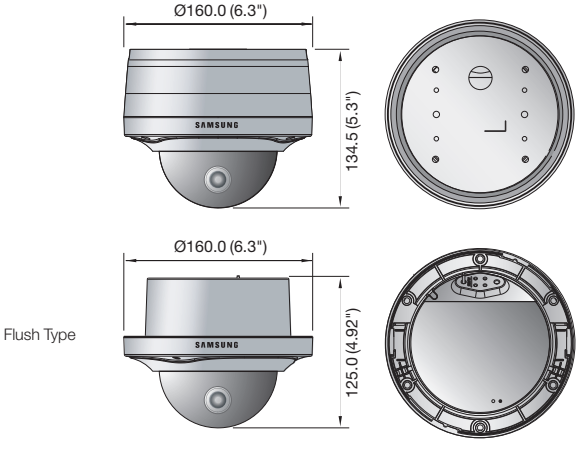
4CIF | 12x A/F Lens | D&N ICR | WDR | PoE

Key Features

- Max. 30(25)fps at 4CIF resolution
- 3.69 ~ 44.32mm (12x) optical zoom, 16x digital zoom
- H.264, MPEG-4, MJPEG multiple codec
- Multiple streaming
- Intelligent video analytics
- PoE, SD memory, IP66, IK10, Bi-directional audio support

Dimensions

Unit : mm (inch)



Accessories (Optional)



SBP-301HM3 SBP-300LM SBP-300CM SBP-300WM1 SBP-300WM SBP-300B SBP-300PM SBP-300KM

Technical Specifications

	SNV-3120N	SNV-3120P
VIDEO		
Imaging Device	1/4" Ex-view HAD PS CCD	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Scanning System	Progressive (VPS on) (If WDR on, Interlaced scan)	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 600TV lines	
Min. Illumination	Color : 0.7Lux (F1.65, 50IRE), 0.001Lux (Sens-up 512x) B/W : 0.07Lux (F1.65, 50IRE), 0.0001Lux (Sens-up 512x)	
S / N Ratio	50dB	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	3.69 ~ 44.32mm (12x)	
Max. Aperture Ratio	F1.65(Wide) / F2.01(Tele)	
Angular Field of View	H : 54.44°(Wide) ~ 4.64°(Tele) / V : 41.42°(Wide) ~ 3.52°(Tele)	
Min. Object Distance	0.2m (Wide) / 0.8m (Tele)	
Focus Control	AF / One-shot AF / Manual	
Lens Type	DC auto iris	
PAN / TILT / ROTATE		
Pan Range	0° ~ 355°	
Tilt Range	0° ~ 90°	
Rotate Range	0° ~ 355°	
Preset	12ea	
Preset Accuracy	±0.1°	
OPERATIONAL		
Camera Title	Off / On (Displayed up to 54 characters)	
Day & Night	Auto (ICR) / Color / B/W	
Backlight Compensation	Off / BLC / WDR	
Wide Dynamic Range	52dB	
Contrast Enhancement	XDR (eXtended Dynamic Range) - Off / Low / Middle / High	
Digital Noise Reduction	Motion adaptive 2D+3D noise filter (Off / Low / Middle / High / User)	
Digital Image Stabilization	Off / On	
Motion Detection	Off / On (4 programmable zones)	
Privacy Masking	Off / On (12 polygonal programmable zones)	
Sens-up (Frame Integration)	Off / Auto (2x ~ 512x)	
Gain Control	Off / Very Low / Low / Medium / High / Very High	
White Balance	ATW1 / ATW2 / AWC / Manual	
Electronic Shutter Speed	Off / Manual (1/100 ~ 1/10,000sec)	
Digital Zoom	16x	
Flip / Mirror	Digital flip	
VPS	Off / On	
Intelligent Video Analytics	Moved / Fixed	
Alarm I/O	Input 1ea / Output 1ea (Relay)	
NETWORK		
Ethernet	RJ-45 (10/100BASE-T)	
Video Compression Format	H.264, MPEG-4, MJPEG	
Resolution	704 x 480, 640 x 480, 352 x 240, 320 x 240	704 x 576, 640 x 480, 352 x 288, 320 x 240
Max. Framerate	30fps	25fps
Video Quality Adjustment	H.264, MPEG-4 : Compression level, Target bitrate level control MJPEG : Quality level control	
Bitrate Control Method	H.264, MPEG-4 : CBR or VBR, MJPEG : VBR	
Streaming Capability	Multiple streaming (Up to 10 profiles)	
Audio I/O	Mic / Line in, Line out	
Audio Compression Format	G.711 u-law	
Audio Communication	Bi-directional audio	
IP	IPv4, IPv6	
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS	
Security	HTTPS(SSL) login authentication, Digest login authentication IP address filtering, User access log	
Streaming Method	Unicast / Multicast	
Max. User Access	10 users at unicast mode	
Memory Slot	SD/SDHC memory slot	
ONVIF Conformance	Yes	
Web Viewer	Supported OS : Windows XP / VISTA / 7, MAC OS Supported Browser : Internet Explorer 6.0/7.0/8.0, Firefox, Google Chrome, Apple Safari	
Central Management Software	NET-i viewer	
ENVIRONMENTAL		
Operating Temperature / Humidity	24V AC : -40°C ~ +55°C (-40°F ~ +131°F) / Less than 90% RH (Heater on) 12V DC, PoE : -10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH (Heater off)	
Ingress Protection	IP66 grade	
Vandal Resistance	IK10	
ELECTRICAL		
Input Voltage / Current	12V DC, 24V AC, PoE (IEEE802.3af)	
Power Consumption	Max. 8W (Heater off), Max. 11W (Heater on) * Heater works at AC input only	
MECHANICAL		
Color / Material	Ivory / Aluminum	
Dimensions (WxH)	Ø160.0 x 134.5mm (Ø6.3" x 5.3")	
Weight	1.5Kg (3.31 lb)	

* The latest product information / specification can be found at www.samsungsecurity.com

SNV-3082

4CIF WDR Vandal-Resistant Network Dome Camera



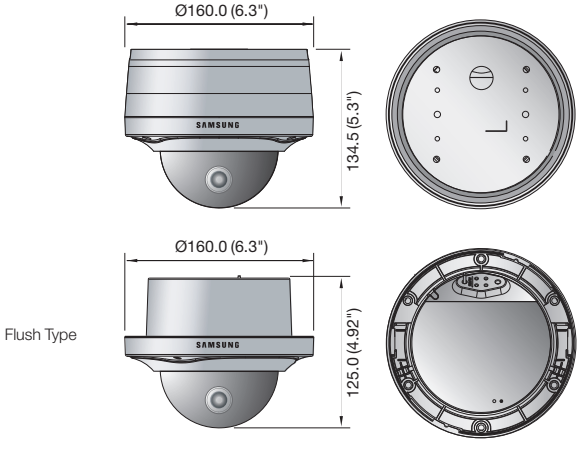
4CIF | 3.9x V/F Lens | D&N ICR | WDR | PoE

Key Features

- Max. 30(25)fps at 4CIF resolution
- 2.8 ~ 11mm (3.9x) varifocal lens
- H.264, MPEG-4, MJPEG multiple codec
- Multiple streaming
- Tampering
- PoE, SD memory, IP66, IK10, Bi-directional audio support

Dimensions

Unit : mm (inch)



Accessories (Optional)



SBP-301HM3 SBP-300LM SBP-300CM SBP-300WM1 SBP-300WM SBP-300B SBP-300PM SBP-300KM

Technical Specifications

	SNV-3082N	SNV-3082P
VIDEO		
Imaging Device	1/3" Super HAD PS CCD	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Scanning System	Progressive (If WDR on, Interlaced scan)	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 600TV lines	
Min. Illumination	Color : 0.4Lux (F1.2, 50IRE), 0.001Lux (Sens-up 512x) B/W : 0.04Lux (F1.2, 50IRE), 0.0001Lux (Sens-up 512x)	
S / N Ratio	52dB	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	2.8 ~ 11mm (3.9x) varifocal	
Max. Aperture Ratio	F1.2	
Angular Field of View	H : 94.6°(Wide) ~ 28.8°(Tele) / V : 68.4°(Wide) ~ 21.6°(Tele)	
Lens Type	DC auto iris	
Mount Type	Board-in type	
PAN / TILT / ROTATE		
Pan Range	0° ~ 355°	
Tilt Range	0° ~ 90°	
Rotate Range	0° ~ 355°	
OPERATIONAL		
Camera Title	Off / On (Displayed up to 15 characters)	
Day & Night	Auto (ICR) / Color / B/W / External B/W	
Backlight Compensation	Off / BLC / WDR	
Wide Dynamic Range	52dB	
Contrast Enhancement	SSDR (Samsung Super Dynamic Range) (Off / On)	
Digital Noise Reduction	Motion adaptive 2D+3D noise filter (Off / Low / Middle / High / User)	
Digital Image Stabilization	Off / On	
Motion Detection	Off / On (4 programmable zones)	
Privacy Masking	Off / On (12 polygonal programmable zones, 4 point polygonal method)	
Sens-up (Frame Integration)	Off / Auto (2x ~ 512x)	
Gain Control	AGC (Low / Middle / High)	
White Balance	ATW1 / ATW2 / AWC / 3200°K / 5600°K	
Electronic Shutter Speed	Off / Auto (1/100 ~ 1/10,000sec)	Off / Auto (1/120 ~ 1/10,000sec)
Flip / Mirror	Off / On	
Intelligent Video Analytics	Tampering	
Alarm I/O	Input 1ea / Output 1ea (Relay)	
NETWORK		
Ethernet	RJ-45 (10/100BASE-T)	
Video Compression Format	H.264, MPEG-4, MJPEG	
Resolution	704 x 480, 640 x 480, 352 x 240	704 x 576, 640 x 480, 352 x 288
Max. Framerate	30fps	25fps
Video Quality Adjustment	H.264, MPEG-4 : Compression level, Target bitrate level control MJPEG : Quality level control	
Bitrate Control Method	H.264, MPEG-4 : CBR or VBR, MJPEG : VBR	
Streaming Capability	Multiple streaming (Up to 10 profiles)	
Audio I/O	Mic / Line in, Line out	
Audio Compression Format	G.711 u-law	
Audio Communication	Bi-directional audio	
IP	IPv4, IPv6	
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS	
Security	HTTPS(SSL) login authentication, Digest login authentication IP address filtering, User access log, 802.1x authentication	
Streaming Method	Unicast / Multicast	
Max. User Access	10 users at unicast mode	
Memory Slot	SD/SDHC memory slot	
ONVIF Conformance	Yes	
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek	
Web Viewer	Supported OS : Windows XP / VISTA / 7, MAC OS Supported Browser : Internet Explorer 7.0/8.0, Firefox, Google Chrome, Apple Safari	
Central Management Software	NET-i viewer	
ENVIRONMENTAL		
Operating Temperature / Humidity	24V AC : -40°C ~ +55°C (-40°F ~ +131°F) / Less than 90% RH (Heater on) 12V DC, PoE : -10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH (Heater off)	
Storage Temperature / Humidity	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH	
Ingress Protection	IP66 grade	
Vandal Resistance	IK10	
ELECTRICAL		
Input Voltage / Current	12V DC, 24V AC, PoE (IEEE802.3af)	
Power Consumption	Max. 6W (Heater off), Max. 11W (Heater on) * Heater works at AC input only	
MECHANICAL		
Color / Material	Ivory / Aluminum	
Dimensions (WxH)	Ø160.0 x 134.5mm (Ø6.3" x 5.3")	
Weight	1.39Kg (3.06 lb)	

* The latest product information / specification can be found at www.samsungsecurity.com

SNV-1080

VGA Vandal-Resistant Network Dome Camera



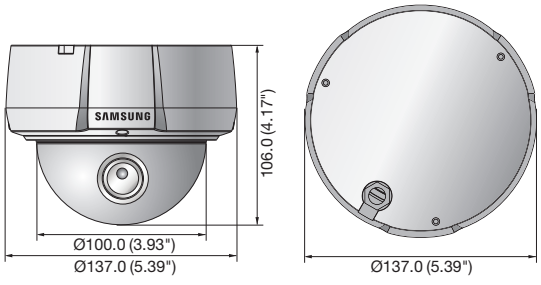
VGA | 3.5x V/F Lens | D&N ICR | PoE

Key Features

- Max. 30fps at VGA resolution
- 2.2 ~ 7.7mm (3.5x) varifocal lens
- H.264, MJPEG dual codec
- Multiple streaming
- Face detection
- PoE, SD memory, IP66, IK10, Bi-directional audio support

Dimensions

Unit : mm (inch)



Accessories (Optional)



SBP-301HM2 SBP-300LM SBP-300CM SBP-300WM1 SBP-300WM SBP-300B SBP-300PM SBP-300KM

Technical Specifications

	SNV-1080N/P
VIDEO	
Imaging Device	1/4" PS CMOS
Total Pixels	680(H) x 512(V)
Effective Pixels	640(H) x 480(V)
Scanning System	Progressive
Min. Illumination	0.7Lux (F1.2, 50IRE)
S / N Ratio	50dB
Video Out	DIP connector type, for installation
LENS	
Focal Length (Zoom Ratio)	2.2 ~ 7.7mm (3.5x) varifocal
Max. Aperture Ratio	F1.2
Angular Field of View	H : 94°(Wide) ~ 26.5°(Tele) / V : 70°(Wide) ~ 20°(Tele)
Min. Object Distance	500mm (1.64ft)
Lens Type	DC auto iris
Mount Type	Board type (Ø14)
PAN / TILT / ROTATE	
Pan Range	0° ~ 355°
Tilt Range	17° ~ 90°
Rotate Range	0° ~ 355°
OPERATIONAL	
Camera Title	Off / On (Displayed up to 15 characters)
Day & Night	Auto (ICR) / Color / B/W / External
Backlight Compensation	Off / BLC
Contrast Enhancement	SSDR (Samsung Super Dynamic Range) (Off / On)
Digital Noise Reduction	SSNRIII (2D+3D noise filter) (Off / On)
Motion Detection	Off / On (4 programmable zones)
Privacy Masking	Off / On (32ea 4 points polygonal)
Sens-up (Frame Integration)	Off / Auto (2x ~ 60x)
Gain Control	Off / Low / Medium / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Auto / A.FLK / Manual (60x ~ 1/12,000sec)
Flip / Mirror	Off / On
Intelligent Video Analytics	Face detection
Alarm I/O	Input 1ea
NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264, MJPEG
Resolution	640 x 480, 320 x 240, 160 x 120
Max. Framerate	Max. 30fps at all resolutions
Video Quality Adjustment	H.264 : Compression level, Target bitrate level control MJPEG : Quality level control
Bitrate Control Method	H.264 : CBR or VBR, MJPEG : VBR
Streaming Capability	Multiple streaming (Up to 10 profiles)
Audio I/O	Mic/Line in , Line out
Audio Compression Format	G.711 u-law
Audio Communication	Bi-directional audio
IP	IPv4, IPv6
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS
Security	HTTPS(SSL) login authentication, Digest login authentication IP address filtering, User access log, 802.1x Authentication
Streaming Method	Unicast / Multicast
Max. User Access	10 users at unicast mode
Memory Slot	Micro SD/SDHC memory slot
ONVIF Conformance	Yes
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek
Web Viewer	Supported OS : Windows XP / VISTA / 7, MAC OS Supported Browser : Internet Explorer 7.0/8.0, Firefox, Google Chrome, Apple Safari
Central Management Software	NET-i viewer
ENVIRONMENTAL	
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / 20% ~ 80% RH
Ingress Protection	IP66 grade
Vandal Resistance	IK10
ELECTRICAL	
Input Voltage / Current	12V DC / PoE (IEEE802.3af)
Power Consumption	Max.3.4W (12V DC), Max.4W (PoE)
MECHANICAL	
Color / Material	Ivory / Aluminum
Dimensions (WxH)	Ø137.0 x 106.0mm (Ø5.39" x 4.17")
Weight	770g (1.7 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

SNV-7080R

3Megapixel Full HD Vandal-Resistant Network IR Dome Camera



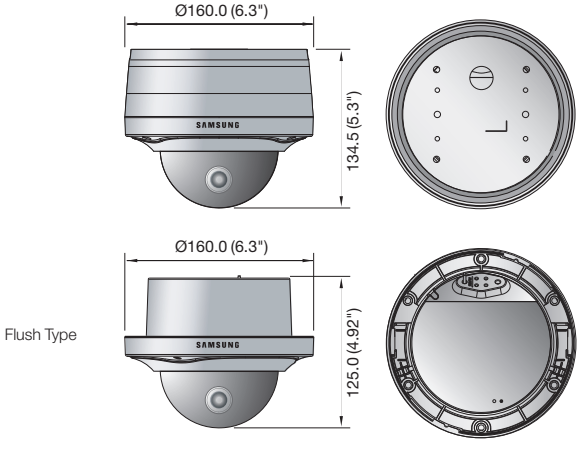
3M | Full HD 1080p | 2.8x Motorized V/F Lens | D&N ICR | WDR | IR LED

Key Features

- Max. 3M (2048 x 1536) resolution
- 16 : 9 Full HD (1080p) resolution support
- 3 ~ 8.5mm (2.8x) motorized varifocal lens
- H.264, MJPEG dual codec
- Multiple streaming
- Smart compression (ROI encoding)
- Intelligent video analytics
- PoE, SD memory, IP66, IK10
- Bi-directional audio support, IR LED (15ea)

Dimensions

Unit : mm (inch)



Accessories (Optional)



SBP-301HM3 SBP-300LM SBP-300CM SBP-300WM1 SBP-300WM SBP-300B SBP-300PM SBP-300KM

Technical Specifications

	SNV-7080RN/P
VIDEO	
Imaging Device	1/2.8" 3M PS CMOS
Total Pixels	2,144(H) x 1,588(V)
Effective Pixels	2,096(H) x 1,561(V)
Scanning System	Progressive
Min. Illumination	Color : 1Lux (F1.2, 50IRE), 0.017Lux (Sens-up 60x) B/W : 0Lux (F1.2, 50IRE, IR LED on)
S / N Ratio	50dB
Video Output	CVBS : 1.0 Vp-p / 75Ω composite, 704 x 480(N), 704 x 576(P), for installation
LENS	
Focal Length (Zoom Ratio)	3 ~ 8.5mm (2.8x) motorized varifocal
Max. Aperture Ratio	F1.2
Angular Field of View	H : 100°(Wide) ~ 35.3°(Tele) / V : 74.6°(Wide) ~ 26°(Tele)
Min. Object Distance	0.5m (1.64ft)
Focus Control	Manual / One-shot AF (Remote control via network)
Lens Type	DC auto iris
Mount Type	Board-in type
PAN / TILT / ROTATE	
Pan Range	0° ~ 355°
Tilt Range	0° ~ 90°
Rotate Range	0° ~ 355°
OPERATIONAL	
IR LED	15ea
Viewable Length	25m (82.02ft)
Camera Title	Off / On (Displayed up to 15 characters)
Day & Night	Auto (ICR) / Color / B/W / External B/W
Backlight Compensation	Off / BLC / HLC / WDR
Wide Dynamic Range	Off / On (Full HD WDR)
Contrast Enhancement	SSDR (Samsung Super Dynamic Range) (Off / On)
Digital Noise Reduction	SSNRIII (2D+3D noise filter) (Off / On)
Motion Detection	Off / On (4 programmable zones)
Privacy Masking	Off / On (1ea 4 point polygonal + 16ea rectangular zones)
Sens-up (Frame Integration)	Off / Auto (2x ~ 60x)
Gain Control	Off / Low / Medium / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Auto / A.FLK / Manual (1/30 ~ 30,000sec)
Flip / Mirror	Off / On
Intelligent Video Analytics	Scene change, Virtual line, Enter / Exit, Appear / Disappear
Alarm I/O	Input 1ea / Output 1ea (Relay)
NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264, MJPEG
Resolution	3M mode - 2048 x 1536, 1920 x 1080P (Full HD), 1600 x 1200, 1280 x 1024, 1280 x 960, 1280 x 720P (HD), 1024 x 768, 800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180 2M mode - 1920 x 1080P (Full HD), 1280 x 1024, 1280 x 960, 1280 x 720P (HD), 1024 x 768, 800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180
Max. Framerate	3M mode - H.264 : Max. 20fps at all resolutions MJPEG : 800 x 600 ~ 320 x 180 - 20fps, 1280 x 1024 ~1920 x 1080 - 15fps 2048 x 1536 - 10fps 2M mode - H.264 : Max 30fps at all resolutions (When WDR on, Max. framerate is Max. 15fps.) MJPEG : 800 x 600 ~ 320 x 180 - 30fps, 1280 x 1024 ~ 1920 x 1080 - 15fps
Smart Codec	Yes (Area based method, Face detection method)
Video Quality Adjustment	H.264 : Compression level, Target bitrate level control MJPEG : Quality level control
Bitrate Control Method	H.264 : CBR or VBR, MJPEG : VBR
Streaming Capability	Multiple streaming (Up to 6 profiles)
Audio I/O	Mic / Line in, Line out
Audio Compression Format	G.711 u-law
Audio Communication	Bi-directional audio
IP	IPv4, IPv6
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS
Security	HTTPS(SSL) login authentication, Digest login authentication IP address filtering, User access log, 802.1x authentication
Streaming Method	Unicast / Multicast
Max. User Access	10 users at unicast mode
Memory Slot	SD/SDHC memory slot
ONVIF Conformance	Yes
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek
Web Viewer	Supported OS : Windows XP / VISTA / 7, MAC OS Supported Browser : Internet Explorer 7.0/8.0, Firefox, Google Chrome, Apple Safari
Central Management Software	NET-i viewer
ENVIRONMENTAL	
Operating Temperature / Humidity	24V AC : -40°C ~ +55°C (-40°F ~ +131°F) / Less than 90% RH (Heater on) 12V DC, PoE : -10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH (Heater off)
Ingress Protection	IP66 grade
Vandal Resistance	IK10
ELECTRICAL	
Input Voltage / Current	12V DC, 24V AC, PoE (IEEE802.3af)
Power Consumption	Max. 9W (Heater off), Max. 13W (Heater on) * Heater works at AC input only
MECHANICAL	
Color / Material	Ivory / Aluminum
Dimensions (WxH)	Ø160.0 x 134.5mm (Ø6.3" x 5.3")
Weight	1.4Kg (3.09 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

SNV-6084R

2Megapixel HD Vandal-Resistant Network IR Dome Camera



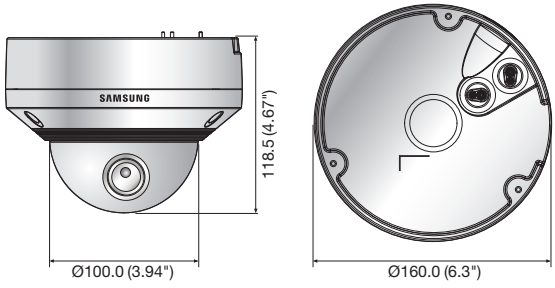
2M | Full HD 1080p | 2.8x Motorized V/F Lens | D&N ICR | WDR | IR LED

Key Features

- Max. 2M (1920 x 1080) resolution
- 16 : 9 Full HD (1080p) resolution support
- 3 ~ 8.5mm (2.8x) motorized varifocal lens
- H.264, MJPEG dual codec, Multiple streaming
- Audio / Face / Motion detection
- Simple focus, UPnP, Defog
- SD/SDHC/SDXC memory slot
- Multi-crop streaming, PoE, IP66, IK10
- Bi-directional audio support, IR LED (12ea)

Dimensions

Unit : mm (inch)



Accessories (Optional)



SBP-301HM3 SBP-300LM SBP-300CM SBP-300WM1 SBP-300WM SBP-300B SBP-300PM SBP-300KM

Technical Specifications

	SNV-6084RN/P
VIDEO	
Imaging Device	1/2.8" PS Exmor 2.38M CMOS
Total Pixels	1,952(H) x 1,116(V)
Effective Pixels	1,944(H) x 1,104(V)
Scanning System	Progressive
Min. Illumination	Color : 0.1Lux (F1.2, 50IRE), B/W : 0Lux (F1.2, 50IRE, IR LED on)
S / N Ratio	50dB
Video Output	CVBS : 1.0 Vp-p / 75Ω composite, 704 x 480(N), 704 x 576(P), for installation DIP connector type
LENS	
Focal Length (Zoom Ratio)	3 ~ 8.5mm (2.8x) motorized varifocal
Max. Aperture Ratio	F1.2
Angular Field of View	H : 105.5°(Wide) ~ 37.1°(Tele) / V : 57.5°(Wide) ~ 21.0°(Tele)
Min. Object Distance	0.5m (1.64ft)
Focus Control	Simple focus (Motorized V/F) / Manual Remote control via network (Manual, Simple focus, Day & Night)
Lens Type	DC auto iris
Mount Type	Board-in type
PAN / TILT / ROTATE	
Pan / Tilt / Rotate Range	0° ~ 354° / 0° ~ 67° / 0° ~ 355°
OPERATIONAL	
IR LED	12ea
Viewable Length	15m (49.21ft)
Camera Title	Off / On (Displayed up to 45 characters)
Day & Night	Auto (ICR) / Color / B/W / External / Schedule
Backlight Compensation	Off / BLC
Wide Dynamic Range	100dB↑
Contrast Enhancement	SSDR (Samsung Super Dynamic Range) (Off / On)
Digital Noise Reduction	SSNRIII (2D+3D noise filter) (Off / On)
Digital Image Stabilization	Off / On
Defog	Off / Auto / Manual
Motion Detection	Off / On (4ea 4points polygonal zones)
Privacy Masking	Off / On (32zones with 4points of polygonal)
Sens-up (Frame Integration)	Off / Auto (2x ~ 60x)
Gain Control	Off / Low / Middle / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Minimum / Maximum / Anti flicker
Flip / Mirror	Off / On
Intelligent Video Analytics	Tampering, Virtual line, Enter/Exit, Appear / Disappear, Audio detection, Face detection
Alarm I/O	Input 1ea / Output 1ea
Alarm Triggers	Motion detection, Audio detection, Face detecton, Video analytics, Alarm input
Alarm Events	File upload via FTP and E-mail, Notification via E-mail, TCP and HTTP, Local storage (SD/SDHC/SDXC) recording at Network disconnected & Event (Alarm triggers), External output
NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264 (MPEG-4 part 10/AVC), MJPEG
Resolution	1920 x 1080, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768, 800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180
Max. Framerate	H.264 : Max. 60fps at all resolutions MJPEG : 1920 x 1080, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768 : Max. 15fps 800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180 : Max.30fps
Video Quality Adjustment	H.264 : Compression level, Target bitrate level control, MJPEG : Quality level control
Bitrate Control Method	H.264 : CBR or VBR, MJPEG : VBR
Streaming Capability	Multiple streaming (Up to 10 profiles)
Audio I/O	Selectable (Mic in / Line in), Max output level : 1 Vrms Supply voltage : 3.3V DC (4mA), Input impedance : approx. 2K Ohm
Audio Compression Format	G.711 u-law /G.726 selectable, G.726 (ADPCM) 8KHz, G.711 8KHz G.726 : 16Kbps, 24Kbps, 32Kbps, 40Kbps
Audio Communication	Bi-directional audio
IP	IPv4, IPv6
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP,RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, PIM-SM, UPnP, Bonjour
Security	HTTPS(SSL) login authentication, Digest login authentication IP address filtering, User access log, 802.1x authentication
Streaming Method	Unicast / Multicast
Max. User Access	15 users at unicast mode
Memory Slot	Micro SD/SDHC/SDXC Motion images recorded in the SDXC/SDHC/SD memory card can be downloaded
Application Programming Interfac	ONVIF profile S, HTTP API v2.0, SVNP 1.2
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek, Norwegian, Finnish, Norwegian
Web Viewer	Supported OS : Windows XP / VISTA / 7 / 8, MAC OS X 10.7 Supported Browser : Microsoft Internet Explorer (Ver. 10, 9, 8, 7), Mozilla Firefox (Ver. 19, 18, 17, 16, 15, 14, 13, 12, 11, 10, 9), Google Chrome (Ver. 25, 24, 23, 22, 21, 20, 19, 18, 17,16, 15), Apple Safari (Ver. 6.0.2(Mac OS X 10.8, 10.7 only), 5.1.7) * Mac OS X only
Central Management Software	SmartViewer 4.0
ENVIRONMENTAL	
Operating Temperature / Humidity	24V AC : -40°C ~ +55°C (-40°F ~ +131°F) / Less than 90% RH 12V DC, PoE : -10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH
Storage Temperature / Humidity	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH
Ingress Protection	IP66 grade
Vandal Resistance	IK10
ELECTRICAL	
Input Voltage / Current	12V DC, 24V AC, PoE (IEEE802.3af)
Power Consumption	Max. 9.5W (Heater off), Max. 13.5W (24V AC - Heater on)
MECHANICAL	
Color / Material	Ivory / Aluminum
Dimensions (WxH)	Ø160.0 x 118.5mm (Ø6.3" x 4.67")
Weight	960g (2.12 lb)

* Data recorded on an SD memory card may be lost or damaged by data access during power-off, mechanical shock, memory card detachment, or other operations. Data loss or damage can also occur when a memory card reaches end of life, which varies according to operational conditions. No guarantee is given against damage (including passive damage).

* The latest product information / specification can be found at www.samsungsecurity.com

SNV-5080R

1.3Megapixel HD Vandal-Resistant Network IR Dome Camera



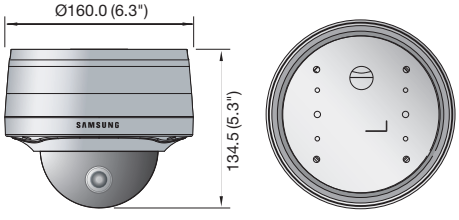
1.3M | HD 720p | 2.8x Motorized V/F Lens | D&N ICR | PoE | IR LED

Key Features

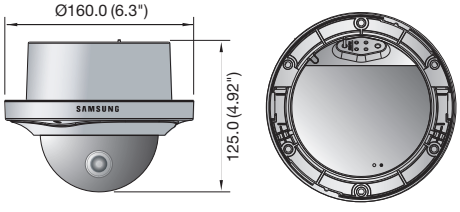
- Max. 1.3M (1280 x 1024) resolution
- 16 : 9 HD (720p) resolution support
- 3 ~ 8.5mm (2.8x) motorized varifocal lens
- H.264, MPEG-4, MJPEG multiple codec
- Multiple streaming
- Intelligent video analytics
- PoE, SD memory, IP66, IK10, IR LED (15ea)

Dimensions

Unit : mm (inch)



Flush Type



Accessories (Optional)



SBP-301HM3 SBP-300LM SBP-300CM SBP-300WM1 SBP-300WM SBP-300B SBP-300PM SBP-300KM

Technical Specifications

	SNV-5080RN/P
VIDEO	
Imaging Device	1/3" 1.3M PS CMOS
Total Pixels	1,384(H) x 1,076(V)
Effective Pixels	1,329(H) x 1,049(V)
Scanning System	Progressive
Min. Illumination	Color : 0.3Lux (F1.2, 50IRE), 0.005Lux (Sens-up 60x) B/W : 0Lux (F1.2, 50IRE, IR LED on)
S / N Ratio	50dB
Video Output	CVBS : 1.0 Vp-p / 75Ω composite, 704 x 480(N), 704 x 576(P), for installation
LENS	
Focal Length (Zoom Ratio)	3 ~ 8.5mm (2.8x) motorized varifocal
Max. Aperture Ratio	F1.2
Angular Field of View	H : 91.0°(Wide) ~ 32.1°(Tele) / V : 72.2°(Wide) ~ 25.7°(Tele)
Focus Control	Manual / One-shot AF (Remote control via network)
Lens Type	DC auto iris
Mount Type	Board-in type
PAN / TILT / ROTATE	
Pan Range	0° ~ 355°
Tilt Range	0° ~ 90°
Rotate Range	0° ~ 355°
OPERATIONAL	
IR LED	15ea
Viewable Length	15m (49.21ft)
Camera Title	Off / On (Displayed up to 15 characters)
Day & Night	Auto (ICR) / Color / B/W
Backlight Compensation	Off / BLC / HLC
Contrast Enhancement	SSDR (Samsung Super Dynamic Range) (Off / On)
Digital Noise Reduction	SSNRIII (2D+3D noise filter) (Off / On)
Motion Detection	Off / On (4 programmable zones)
Privacy Masking	Off / On (12 programmable zones)
Sens-up (Frame Integration)	Off / Auto (2x ~ 60x)
Gain Control	Off / Low / Medium / High / Manual
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Auto / A.FLK / Manual (1/30 ~ 30,000sec)
Flip / Mirror	Off / On
Intelligent Video Analytics	Scene change, Virtual line, Enter / Exit, Appear / Disappear
Alarm I/O	Input 1ea / Output 1ea (Relay)
NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264, MPEG-4, MJPEG
Resolution	1280 x 1024, 1280 x 720P (HD), 1024 x 768, 800 x 600, 640 x 480, 320 x 240
Max. Framerate	22fps (1280 x 1024), 30fps (720P HD)
Video Quality Adjustment	H.264, MPEG-4 : Compression level, Target bitrate level control MJPEG : Quality level control
Bitrate Control Method	H.264, MPEG-4 : CBR or VBR, MJPEG : VBR
Streaming Capability	Multiple streaming (Up to 10 profiles)
Audio I/O	Mic / Line in, Line out
Audio Compression Format	G.711 u-law
Audio Communication	Bi-directional audio
IP	IPv4, IPv6
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS
Security	HTTPS(SSL) login authentication, Digest login authentication IP address filtering, User access log, 802.1x authentication
Streaming Method	Unicast / Multicast
Max. User Access	10 users at unicast mode
Memory Slot	SD/SDHC memory slot
ONVIF Conformance	Yes
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek
Web Viewer	Supported OS : Windows XP / VISTA / 7, MAC OS Supported Browser : Internet Explorer 7.0/8.0, Firefox, Google Chrome, Apple Safari
Central Management Software	NET-i viewer
ENVIRONMENTAL	
Operating Temperature / Humidity	24V AC : -40°C ~ +55°C (-40°F ~ +131°F) / Less than 90% RH (Heater on) 12V DC, PoE : -10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH (Heater off)
Ingress Protection	IP66 grade
Vandal Resistance	IK10
ELECTRICAL	
Input Voltage / Current	12V DC, 24V AC, PoE (IEEE802.3af)
Power Consumption	Max. 9W or 650mA (Heater off), Max. 13W or 800mA (Heater on) * Heater works at AC input only
MECHANICAL	
Color / Material	Ivory / Aluminum
Dimensions (WxH)	Ø160.0 x 134.5mm (Ø6.3" x 5.3")
Weight	1.4Kg (3.09 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

SNV-1080R

VGA Vandal-Resistant Network IR Dome Camera



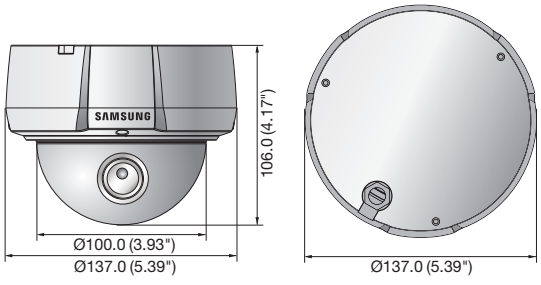
VGA | 3.5x V/F Lens | E-D&N | PoE | IR LED

Key Features

- Max. 30fps at VGA resolution
- 2.2 ~ 7.7mm (3.5x) varifocal lens
- H.264, MJPEG dual codec
- Multiple streaming
- Face detection
- PoE, SD memory, IP66, IK10
- Bi-directional audio support, IR LED (12ea)

Dimensions

Unit : mm (inch)



Accessories (Optional)



SBP-301HM2 SBP-300LM SBP-300CM SBP-300WM1 SBP-300WM SBP-300B SBP-300PM SBP-300KM

Technical Specifications

	SNV-1080RN/P
VIDEO	
Imaging Device	1/4" PS CMOS
Total Pixels	680(H) x 512(V)
Effective Pixels	640(H) x 480(V)
Scanning System	Progressive
Min. Illumination	Color : 0.7Lux (F1.2, 50IRE) B/W : 0Lux (F1.2, 50IRE, IR LED on)
S / N Ratio	50dB
Video Out	DIP connector type, for installation
LENS	
Focal Length (Zoom Ratio)	2.2 ~ 7.7mm (3.5x) varifocal
Max. Aperture Ratio	F1.2
Angular Field of View	H : 94°(Wide) ~ 26.5°(Tele) / V : 70°(Wide) ~ 20°(Tele)
Min. Object Distance	500mm (1.64ft)
Mount Type	Board type (Ø14)
PAN / TILT / ROTATE	
Pan Range	0° ~ 352°
Tilt Range	17° ~ 90°
Rotate Range	0° ~ 351°
OPERATIONAL	
IR LED	12ea
Viewable Length	15m (49.21ft)
Camera Title	Off / On (Displayed up to 15 characters)
Day & Night	Auto (Electrical) / Color / B/W / External
Backlight Compensation	Off / BLC
Contrast Enhancement	SSDR (Samsung Super Dynamic Range) (Off / On)
Digital Noise Reduction	SSNRIII (2D+3D noise filter) (Off / On)
Motion Detection	Off / On (4 programmable zones)
Privacy Masking	Off / On (32ea 4 points polygonal)
Sens-up (Frame Integration)	Off / Auto (2x ~ 60x)
Gain Control	Off / Low / Medium / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Auto / A.FLK / Manual (60x ~ 1/12,000sec)
Flip / Mirror	Off / On
Intelligent Video Analytics	Face detection
Alarm I/O	Input 1ea
NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264, MJPEG
Resolution	640 x 480, 320 x 240, 160 x 120
Max. Framerate	Max. 30fps at all resolutions
Video Quality Adjustment	H.264 : Compression level, Target bitrate level control MJPEG : Quality level control
Bitrate Control Method	H.264 : CBR or VBR, MJPEG : VBR
Streaming Capability	Multiple streaming (Up to 10 profiles)
Audio I/O	Mic/Line in , Line out
Audio Compression Format	G.711 u-law
Audio Communication	Bi-directional audio
IP	IPv4, IPv6
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS
Security	HTTPS(SSL) login authentication, Digest login authentication IP address filtering, User access log, 802.1x Authentication
Streaming Method	Unicast / Multicast
Max. User Access	10 users at unicast mode
Memory Slot	Micro SD/SDHC memory slot
ONVIF Conformance	Yes
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek
Web Viewer	Supported OS : Windows XP / VISTA / 7, MAC OS Supported Browser : Internet Explorer 7.0/8.0, Firefox, Google Chrome, Apple Safari
Central Management Software	NET-i viewer
ENVIRONMENTAL	
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / 20% ~ 80% RH
Ingress Protection	IP66 grade
Vandal Resistance	IK10
ELECTRICAL	
Input Voltage / Current	12V DC / PoE (IEEE802.3af)
Power Consumption	Max. 5.9W (12V DC), Max. 6.2W (PoE)
MECHANICAL	
Color / Material	Ivory / Aluminum
Dimensions (WxH)	Ø137.0 x 106.0mm (Ø5.39" x 4.17")
Weight	788g (1.74 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

SNP-6200/6200H

2Megapixel Full HD 20x Network PTZ Dome Camera



SNP-6200



SNP-6200H

2M | Full HD 1080p | 20x A/F Lens | D&N ICR | WDR | PoE+

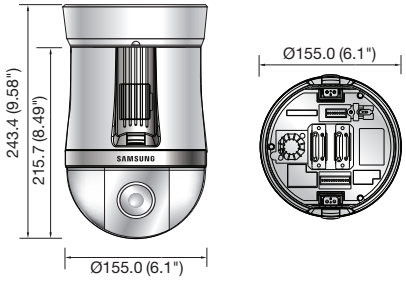
Key Features

- Max. 2M (1920 x 1080) resolution
- 16 : 9 Full HD (1080p) resolution support
- 4.45 ~ 89mm (20x) optical zoom, 8x digital zoom
- H.264, MJPEG dual codec, Multiple streaming
- Smart compression (ROI encoding)
- PoE plus, SD memory, Bi-directional audio support
- IP66, IK10 (SNP-6200H)

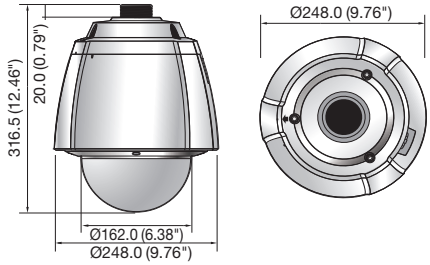
Dimensions

Unit : mm (inch)

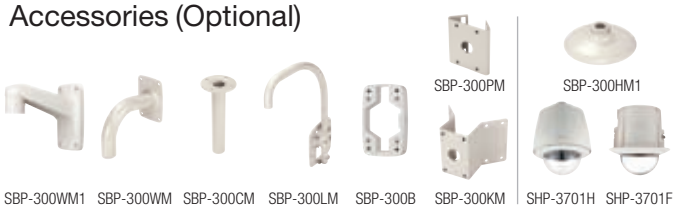
SNP-6200



SNP-6200H



Accessories (Optional)



SBP-300WM1 SBP-300WM SBP-300CM SBP-300LM SBP-300B SBP-300PM SBP-300KM SBP-300HM1 SHP-3701H SHP-3701F (SNP-6200)

Technical Specifications

	SNP-6200N/P	SNP-6200HN/HP
VIDEO		
Imaging Device	1/3" 2M PS CMOS	
Total Pixels	2,010(H) x 1,108(V)	
Effective Pixels	1,944(H) x 1,092(V)	
Scanning System	Progressive	
Min. Illumination	Color : 1.5Lux (F1.6, 50IRE), B/W : 0.1Lux (F1.6, 50IRE)	
S / N Ratio	50dB	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite, 704 x 480(N), 704 x 576(P), for installation	
LENS		
Focal Length (Zoom Ratio)	4.45 ~ 89mm (20x)	
Max. Aperture Ratio	F1.6(Wide) / F2.9(Tele)	
Angular Field of View	H : 56.56°(Wide) ~ 3.10°(Tele) / V : 43.32°(Wide) ~ 2.34°(Tele)	
Min. Object Distance	1m (3.28ft)	
Focus Control	Auto / Manual / One shot	
Lens Type	DC auto iris	
Mount Type	Board-in type	
PAN / TILT / ROTATE		
Pan Range	360° Endless	
Pan Speed	Preset : 500°/sec, Manual : 0.024°/sec ~ 120°/sec	
Tilt Range	190°(-5° ~185°)	
Tilt Speed	Preset : 500°/sec, Manual : 0.024°/sec ~ 120°/sec	
Preset	255ea	
Preset Accuracy	±0.1°	
OPERATIONAL		
Camera Title	Off / On (Displayed up to 15 characters)	
Day & Night	Auto (ICR) / Color / B/W	
Backlight Compensation	Off / BLC / HLC / WDR	
Wide Dynamic Range	Off / On	
Contrast Enhancement	SSDR (Samsung Super Dynamic Range) (Off / On)	
Digital Noise Reduction	SSNRIII (2D+3D noise filter) (Off / Low / Medium / High)	
Digital Image Stabilization	Off / On	
Motion Detection	Off / On (1 programmable zones)	
Privacy Masking	Off / On (8 programmable zones)	
Sens-up (Frame Integration)	Off / Auto (2x ~ 60x)	
Gain Control	Off / Low / Medium / High / Manual	
White Balance	ATW / AWC / Manual / Indoor / Outdoor	
Electronic Shutter Speed	Auto / A.FLK / Manual (1/30 ~ 33,000sec)	
Digital Zoom	Off / On (1x ~ 8x)	
Flip / Mirror	Off / On	
Intelligent Video Analytics	Tampering, Virtual line, Enter / Exit, Appear / Disappear	
Alarm I/O	Input 4ea / Output 2ea (Relay)	
Remote Control Interface	RS-485/422	
RS-485 Protocol	Samsung-T/E, Pelco-P/D, Panasonic, Honeywell, AD, Vicon, Bosch, GE	
NETWORK		
Ethernet	RJ-45 (10/100BASE-T)	
Video Compression Format	H.264, MJPEG	
Resolution	1920 x 1080P (Full HD), 1280 x 1024, 1280 x 960, 1280 x 720P (HD), 1024 x 768, 800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180	
Max. Framerate	Max. 30fps at all resolutions * When WDR on, Max. framerate is Max. 15fps.	
Smart Codec	Yes (Area based method, Face detection method)	
Video Quality Adjustment	H.264 : Compression level, Target bitrate level control MJPEG : Quality level control	
Bitrate Control Method	H.264 : CBR or VBR, MJPEG : VBR	
Streaming Capability	Multiple streaming (Up to 6 profiles)	
Audio I/O	Mic / Line in, Line out	
Audio Compression Format	G.711 u-law	
Audio Communication	Bi-directional audio	
IP	IPv4, IPv6	
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS	
Security	HTTPS(SSL) login authentication, Digest login authentication IP address filtering, User access log, 802.1x authentication	
Streaming Method	Unicast / Multicast	
Max. User Access	10 users at unicast mode	
Memory Slot	SD/SDHC memory slot	
ONVIF Conformance	Yes	
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek	
Web Viewer	Supported OS : Windows XP / VISTA / 7, MAC OS Supported Browser : Internet Explorer 7.0 or higher, Firefox, Google Chrome, Apple Safari	
Central Management Software	NET-i viewer	
ENVIRONMENTAL		
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH	PoE+ : -10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH (Heater off) 24V AC : -50°C ~ +55°C (-58°F ~ +131°F) / Less than ~ 90% RH (Heater on)
Ingress Protection	N/A	IP66 grade
Vandal Resistance	N/A	IK10
ELECTRICAL		
Input Voltage / Current	24V AC, PoE+ (IEEE802.3at)	
Power Consumption	Max. 21W	Max. 25W (Heater off), Max. 60W (Heater on) * Heater works at AC input only
MECHANICAL		
Color / Material	Ivory / Plastic	Ivory / Aluminum / Plastic sun-shield
Dimensions (WxH)	Ø155.0 x 243.4mm (Ø6.1" x 9.58")	Ø248.0 x 316.5mm (Ø9.76" x 12.46")
Weight	2.2Kg (4.85 lb)	4.6Kg (10.14 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

SNP-5300/5300H

1.3Megapixel HD 30x Network PTZ Dome Camera



SNP-5300 SNP-5300H

1.3M | HD 720p | 30x A/F Lens | D&N ICR | WDR | PoE+

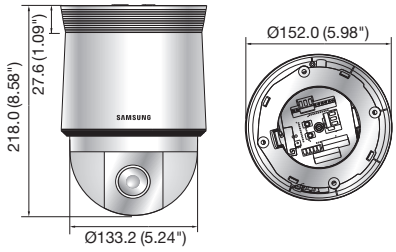
Key Features

- Max. 1.3M (1280 x 1024) resolution
- 16 : 9 HD (720p) resolution support
- 3.5 ~ 105mm (30x) optical zoom, 12x digital zoom
- H.264, MJPEG dual codec
- Multiple streaming, Intelligent video analytics
- PoE plus, SD memory, Bi-directional audio support
- IP66 (SNP-5300H), UPnP

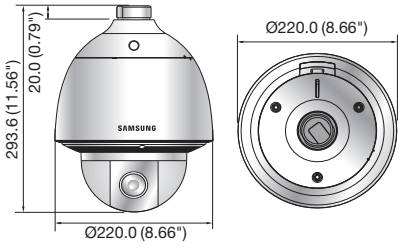
Dimensions

Unit : mm (inch)

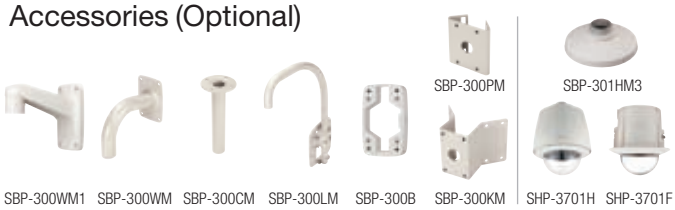
SNP-5300



SNP-5300H



Accessories (Optional)



SBP-300WM1 SBP-300WM SBP-300CM SBP-300LM SBP-300B SBP-300PM SBP-300KM SBP-301HM3 SHP-3701H SHP-3701F (SNP-5300)

Technical Specifications

	SNP-5300N/P	SNP-5300HN/HP
VIDEO		
Imaging Device	1/3" 1.3M Exmor CMOS	
Total Pixels	1,392(H) x 1,076(V)	
Effective Pixels	1,368(H) x 1,049(V)	
Scanning System	Progressive	
Min. Illumination	Color : 0.5Lux (50IRE), 0.2Lux (30IRE), F1.35 B/W : 0.03Lux (50IRE), 0.009Lux (30IRE), F1.35	
LENS		
Focal Length (Zoom Ratio)	3.5 ~ 105mm (30x)	
Max. Aperture Ratio	F1.35(Wide) / F3.7(Tele)	
Angular Field of View	H : 54.85°(Wide) ~ 2.00°(Tele) / V : 44.61°(Wide) ~ 1.6°(Tele)	
Min. Object Distance	Indoor : 1.8m (5.90ft) / Outdoor : 1.7m(5.57ft)	
Focus Control	AF / One-shot AF / Manual	
Lens Type	DC auto iris	
Mount Type	Board-in type	
PAN / TILT / ROTATE		
Pan Range	360° Endless	
Pan Speed	Preset : 500°/sec, Manual : 0.024°/sec ~ 120°/sec	
Tilt Range	210°(-15° ~195°)	
Tilt Speed	Preset : 500°/sec, Manual : 0.024°/sec ~ 120°/sec	
Preset	255ea	
Preset Accuracy	±0.2°	
OPERATIONAL		
Camera Title	Off / On (Displayed up to 15 characters)	
Day & Night	Auto (ICR) / Color / B/W	
Backlight Compensation	Off / BLC / HLC / WDR	
Wide Dynamic Range	90dB	
Contrast Enhancement	SSDR (Samsung Super Dynamic Range) (Off / On)	
Digital Noise Reduction	SSNRIII (2D+3D noise filter) (Off / On)	
Digital Image Stabilization	Off / On	
Motion Detection	Yes (4ea)	
Privacy Masking	Off / On (12 rectangle programmable zones)	
Sens-up (Frame Integration)	Off / Auto (2x ~ 60x)	
Gain Control	Off / Low / Medium / High / Manual	
White Balance	AWC / Manual / Indoor / Outdoor / ATW (2,400°K ~ 11,000°K)	
Electronic Shutter Speed	ESC / FLK / Manual (1/30 ~ 1/33,000)	
Digital Zoom	12x	
Flip / Mirror	Off / On	
Intelligent Video Analytics	Tampering, Virtual line, Enter/Exit, Appear / Disappear, Audio detection, Face detection (5ea)	
Alarm I/O	Input 4ea / Output 2ea	
Alarm Triggers	Alarm input, Motion detection, Intelligent video analytics, Network disconnect	
Alarm Events	File upload via FTP, E-Mail / Notification via E-Mail and TCP / Local storage(SD/SDHC) recording at Network disconnected / External output/ PTZ preset	
NETWORK		
Ethernet	RJ-45 (10/100BASE-T)	
Video Compression Format	H.264 (MPEG-4 part 10 / AVC), MJPEG	
Resolution	SXGA (1280 x 1024), 1280 x 960, HD (16 : 9, 1280 x 720p), 1024 x 768, SVGA (800 x 600), VGA (640 x 480), QVGA (320 x 240)	
Max. Framerate	30fps	
Video Quality Adjustment	H.264 : Compression level, Target bitrate level control MJPEG : Quality level control	
Bitrate Control Method	H.264 : CBR or VBR, MJPEG : VBR	
Streaming Capability	Multiple streaming (Up to 10 profiles)	
Audio I/O	Mic (Line)-in selectable via UI, Line-out (Mono, 1Vrms)	
Audio Compression Format	G.711 u-law, G.726	
Audio Communication	Bi-directional audio (2-way)	
IP	IPv4, IPv6	
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, PIM-SM, UPnP	
Security	HTTPS(SSL) login authentication, Digest login authentication IP address filtering, User access log, 802.1x authentication	
Streaming Method	Unicast / Multicast	
Max. User Access	10 users at unicast mode	
Memory Slot	SD/SDHC memory slot	
ONVIF Conformance	Yes	
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek	
Web Viewer	Supported OS : Microsoft Windows 7/ VISTA / XP SP3, MAC OS X Supported Browser : Firefox, Google Chrome, *Apple Safari, Windows Internet Explorer 9.0 (32bit) / 8.0 (32bit) / 7.0 (32bit) *For Mac OS X, only the Safari browser is supported.	
Central Management Software	NET-i viewer	
ENVIRONMENTAL		
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / 20% ~ 80% RH	PoE+ : -30°C ~ +55°C (-22°F ~ +131°F) / Less than 90% RH (Heater on) 24V AC : -50°C ~ +55°C (-58°F ~ +131°F) / Less than ~ 90% RH (Heater on)
Ingress Protection	N/A	IP66 grade
ELECTRICAL		
Input Voltage / Current	24V AC, PoE+ (IEEE802.3at)	
Power Consumption	PoE+ : Max. 13W, 24V AC : Max. 15W	PoE+, 24V AC : Max. 15W (Heater off), PoE+ : Max. 25W, 24V AC : Max. 53W (Heater on)
MECHANICAL		
Color / Material	Ivory / Plastic	Ivory / Aluminum / Plastic sun-shield
Dimensions (WxH)	Ø152.0 x 218.0mm (Ø5.98" x 8.58")	Ø220.0 x 293.6mm (Ø8.66" x 11.56")
Weight	1.8Kg (3.97 lb)	3.2Kg (7.05 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

SNP-5200/5200H

1.3Megapixel HD 20x Network PTZ Dome Camera



SNP-5200 SNP-5200H

1.3M | HD 720p | 20x A/F Lens | D&N ICR | PoE+

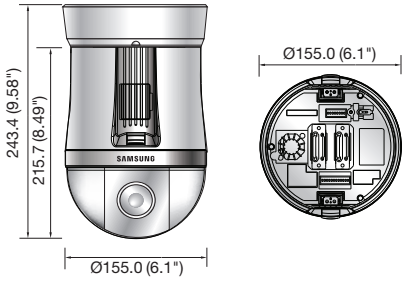
Key Features

- Max. 1.3M (1280 x 1024) resolution
- 16 : 9 HD (720p) resolution support
- 4.45 ~ 89mm (20x) optical zoom, 16x digital zoom
- H.264, MPEG-4, MJPEG multiple codec
- Multiple streaming, Intelligent video analytics
- PoE plus, SD memory, Bi-directional audio support
- IP66, IK10 (SNP-5200H)

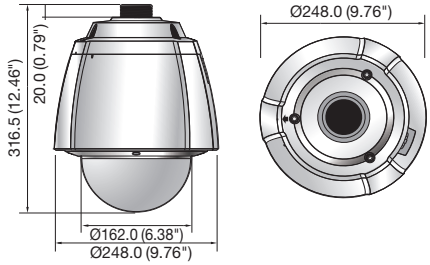
Dimensions

Unit : mm (inch)

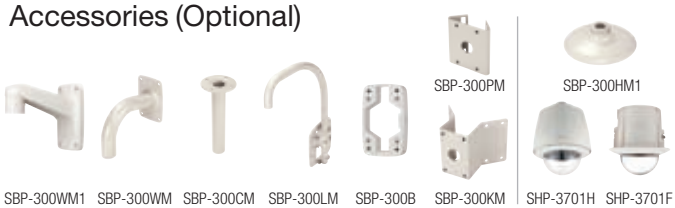
SNP-5200



SNP-5200H



Accessories (Optional)



SBP-300WM1 SBP-300WM SBP-300CM SBP-300LM SBP-300B SBP-300PM SBP-300KM SBP-300HM1 SHP-3701H SHP-3701F (SNP-5200)

Technical Specifications

	SNP-5200N/P	SNP-5200HN/HP
VIDEO		
Imaging Device	1/3" 1.3M PS CMOS	
Total Pixels	1,384(H) x 1,076(V)	
Effective Pixels	1,329(H) x 1,049(V)	
Scanning System	Progressive	
Min. Illumination	Color : 0.7Lux (F1.6, 50IRE), 0.01Lux (Sens-up 60x, 50IRE) B/W : 0.08Lux (F1.6, 50IRE), 0.001Lux (Sens-up 60x, 50IRE)	
S / N Ratio	52dB	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite, 704 x 480(N), 704 x 576(P), for installation	
LENS		
Focal Length (Zoom Ratio)	4.45 ~ 89mm (20x)	
Max. Aperture Ratio	F1.6(Wide) / F2.9(Tele)	
Angular Field of View	H : 56.56°(Wide) ~ 3.10°(Tele) / V : 43.32°(Wide) ~ 2.34°(Tele)	
Min. Object Distance	1m (3.28ft)	
Focus Control	AF / One-shot AF / Manual	
Lens Type	DC auto iris	
Mount Type	Board-in type	
PAN / TILT / ROTATE		
Pan Range	360° Endless	
Pan Speed	Preset : 500°/sec, Manual : 0.024°/sec ~ 120°/sec	
Tilt Range	190°(-5° ~185°)	
Tilt Speed	Preset : 500°/sec, Manual : 0.024°/sec ~ 120°/sec	
Preset	255ea	
Preset Accuracy	±0.1°	
OPERATIONAL		
Camera Title	Off / On (Displayed up to 15 characters)	
Day & Night	Auto (ICR) / Color / B/W	
Backlight Compensation	Off / BLC / HLC	
Contrast Enhancement	SSDR (Samsung Super Dynamic Range) (Off / On)	
Digital Noise Reduction	SSNRIII (2D+3D noise filter) (Off / On)	
Digital Image Stabilization	Off / On	
Motion Detection	Off / On (4 programmable zones)	
Privacy Masking	Off / On (8 programmable zones)	
Sens-up (Frame Integration)	Off / Auto (2x ~ 60x)	
Gain Control	Off / Low / Medium / High / Manual	
White Balance	ATW / AWC / Manual / Indoor / Outdoor	
Electronic Shutter Speed	Auto / A.FLK / Manual (1/30 ~ 30,000sec)	
Digital Zoom	16x	
Flip / Mirror	Off / On	
Intelligent Video Analytics	Scene Change, Virtual line, Enter / Exit, Appear / Disappear	
Alarm I/O	Input 4ea / Output 2ea (Relay)	
Remote Control Interface	RS-485/422	
RS-485 Protocol	Samsung-T/E, Pelco-P/D, Panasonic, Honeywell, AD, Vicon	
NETWORK		
Ethernet	RJ-45 (10/100BASE-T)	
Video Compression Format	H.264, MPEG-4, MJPEG	
Resolution	1280 x 1024, 1280 x 720P (HD), 1024 x 768, 800 x 600, 640 x 480, 320 x 240	
Max. Framerate	30fps at all resolutions	
Video Quality Adjustment	H.264, MPEG-4 : Compression level, Target bitrate level control MJPEG : Quality level control	
Bitrate Control Method	H.264, MPEG-4 : CBR or VBR, MJPEG : VBR	
Streaming Capability	Multiple streaming (Up to 10 profiles)	
Audio I/O	Mic / Line in, Line out	
Audio Compression Format	G.711 u-law	
Audio Communication	Bi-directional audio	
IP	IPv4, IPv6	
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS	
Security	HTTPS(SSL) login authentication, Digest login authentication IP address filtering, User access log, 802.1x authentication	
Streaming Method	Unicast / Multicast	
Max. User Access	10 users at unicast mode	
Memory Slot	SD/SDHC memory slot	
ONVIF Conformance	Yes	
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek	
Web Viewer	Supported OS : Windows XP / VISTA / 7, MAC OS Supported Browser : Internet Explorer 6.0/7.0/8.0, Firefox, Google Chrome, Apple Safari	
Central Management Software	NET-i viewer	
ENVIRONMENTAL		
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / 20% ~ 80% RH	PoE+ : -10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH (Heater off) 24V AC : -50°C ~ +55°C (-58°F ~ +131°F) / Less than ~ 90% RH (Heater on)
Ingress Protection	N/A	IP66 grade
Vandal Resistance	N/A	IK10
ELECTRICAL		
Input Voltage / Current	24V AC, PoE+ (IEEE802.3at)	
Power Consumption	Max. 21W	Max. 25W (Heater off), Max. 52W (Heater on) * Heater works at AC input only.
MECHANICAL		
Color / Material	Ivory / Plastic	Ivory / Aluminum / Plastic sun-shield
Dimensions (WxH)	Ø155.0 x 243.4mm (Ø6.1" x 9.58")	Ø248.0 x 316.5mm (Ø9.76" x 12.46")
Weight	2.1Kg (4.63 lb)	4.6Kg (10.14 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

SNP-3371TH/3371H/3371

4CIF 37x Network PTZ Dome Camera



SNP-3371TH/3371H



SNP-3371





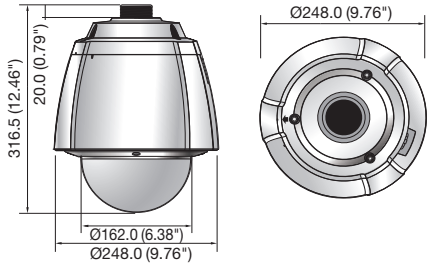
Key Features

- Max. 30(25)fps at 4CIF resolution
- 3.5 ~ 129.5mm (37x) optical zoom, 16x digital zoom
- H.264, MPEG-4, MJPEG multiple codec
- Multiple streaming
- Intelligent video analytics
- Auto tracking (SNP-3371TH), PoE plus, SD memory
- IP66, IK10, Bi-directional audio support

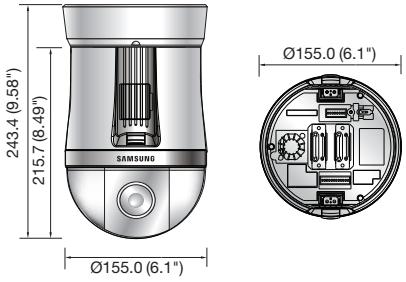
Dimensions

Unit : mm (inch)

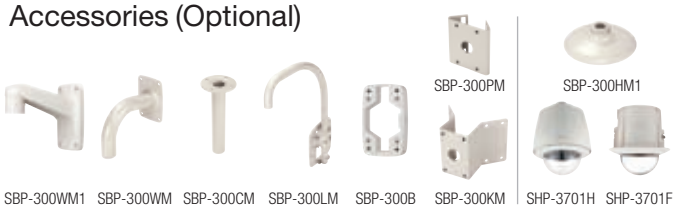
SNP-3371TH/3371H



SNP-3371



Accessories (Optional)



Technical Specifications

	SNP-3371THN/3371HN/3371N	SNP-3371THP/3371HP/3371P
VIDEO		
Imaging Device	1/4" Vertical double density interline transfer CCD	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Scanning System	Progressive (VPS on) (If WDR on, Interlaced scan)	
Min. Illumination	Color : 0.7Lux (F1.6, 50IRE), 0.001Lux (Sens-up, 512x) B/W : 0.07Lux (F1.6, 50IRE), 0.0001Lux (Sens-up, 512x)	
S / N Ratio	52dB	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite, 704 x 480(N), 704 x 576(P), for installation	
LENS		
Focal Length (Zoom Ratio)	3.5 ~ 129.5mm (37x)	
Max. Aperture Ratio	F1.6(Wide) / F3.9(Tele)	
Angular Field of View	H : 55.5°(Wide) ~ 1.59°(Tele) / V : 42.5°(Wide) ~ 1.19°(Tele)	
Min. Object Distance	1.8m (5.91ft)	
Focus Control	AF / One-shot AF / Manual	
Lens Type	DC auto iris	
Mount Type	Board-in type	
PAN / TILT / ROTATE		
Pan Range	360° Endless	
Pan Speed	Preset : 500°/sec, Manual : 0.024°/sec ~120°/sec	
Tilt Range	190° (-5° ~ 185°)	
Tilt Speed	Preset : 500°/sec, Manual : 0.024°/sec ~120°/sec	
Preset	255ea	
Preset Accuracy	±0.1°	
Auto Tracking	Yes (SNP-3371TH only)	
OPERATIONAL		
Camera Title	Off / On (Displayed up to 15 characters)	
Day & Night	Auto (ICR) / Color / B/W	
Backlight Compensation	Off / BLC / HLC / WDR	
Wide Dynamic Range	52dB	
Contrast Enhancement	SSDR (Samsung Super Dynamic Range) (Off / On)	
Digital Noise Reduction	SSNRIII (2D+3D noise filter) (Off / On)	
Digital Image Stabilization	Off / On	
Motion Detection	Yes	
Privacy Masking	Off / On (8 programmable zones)	
Sens-up (Frame Integration)	Off / Auto (2x ~ 512x)	
Gain Control	Off / Low / Medium / High / Manual	
White Balance	AWC / Manual / Indoor / Outdoor / ATW (1,700°K ~ 11,000°K)	
Electronic Shutter Speed	ESC / FLK / Manual (1/60 ~ 1/120,000)	ESC / FLK / Manual (1/50 ~ 1/120,000)
Digital Zoom	16x	
Flip / Mirror	Off / On	
Intelligent Video Analytics	Virtual line, Enter / Exit, Appear / Disappear	
Alarm I/O	Input 4ea / Output 2ea (Relay)	
Remote Control Interface	RS-485/422	
RS-485 Protocol	Samsung-T/E, Pelco-P/D, Panasonic, Honeywell, AD, Vicon	
NETWORK		
Ethernet	RJ-45 (10/100BASE-T)	
Video Compression Format	H.264, MPEG-4, MJPEG	
Resolution	704 x 480, 640 x 480, 352 x 240, 320 x 240	704 x 576, 640 x 480, 352 x 288, 320 x 240
Max. Framerate	30fps	25fps
Video Quality Adjustment	H.264, MPEG-4 : Compression level, Target bitrate level control MJPEG : Quality level control	
Bitrate Control Method	H.264, MPEG-4 : CBR or VBR, MJPEG : VBR	
Streaming Capability	Multiple streaming (Up to 10 profiles)	
Audio I/O	Mic / Line in, Line out	
Audio Compression Format	G.711 u-law	
Audio Communication	Bi-directional audio	
IP	IPv4, IPv6	
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS	
Security	HTTPS(SSL) login authentication, Digest login authentication IP address filtering, User access log, 802.1x authentication	
Streaming Method	Unicast / Multicast	
Max. User Access	10 users at unicast mode	
Memory Slot	SD/SDHC memory slot	
ONVIF Conformance	Yes	
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek	
Web Viewer	Supported OS : Windows XP / VISTA / 7, MAC OS Supported Browser : Internet Explorer 7.0 or 8.0, Firefox, Google Chrome, Apple Safari	
Central Management Software	NET-i viewer	
ENVIRONMENTAL		
Operating Temperature / Humidity	SNP-3371TH/3371H : PoE+ : -10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH (Heater off) 24V AC : -50°C ~ +55°C (-58°F ~ +131°F) / Less than ~ 90% RH (Heater on) SNP-3371 : -10°C ~ +55°C (+14°F ~ +131°F) / 20% ~ 80% RH	
Ingress Protection	IP66 grade	
Vandal Resistance	IK10	
ELECTRICAL		
Input Voltage / Current	24V AC, PoE+ (IEEE 802.3at)	
Power Consumption	SNP-3371TH/3371H : Max. 25W (Heater off), Max. 60W (Heater on)* Heater works at AC input only SNP-3371 : Max. 21W	
MECHANICAL		
Color / Material	SNP-3371TH/3371H : Ivory / Aluminum / Plastic sun-shield, SNP-3371 : Ivory / Plastic	
Dimensions (WxH)	SNP-3371TH/3371H : Ø248.0 x 316.5mm (Ø9.76" x 12.46"), SNP-3371 : Ø155.0 x 243.4mm (Ø6.1" x 9.58")	
Weight	SNP-3371TH/3371H : 4.6Kg (10.14 lb), SNP-3371 : 2.2Kg (4.85 lb)	

* The latest product information / specification can be found at www.samsungsecurity.com

SNP-3302H/3302

4CIF 30x Network PTZ Dome Camera



SNP-3302H



SNP-3302

4CIF | 30x A/F Lens | D&N ICR | WDR | PoE+

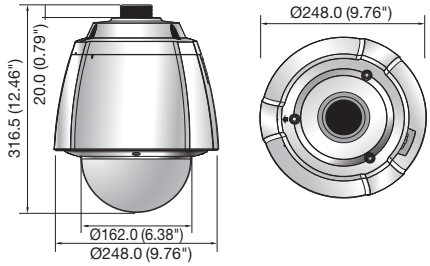
Key Features

- Max. 30(25)fps at 4CIF resolution
- 3.5 ~ 105.3mm (30x) optical zoom, 16x digital zoom
- H.264, MPEG-4, MJPEG multiple codec
- Multiple streaming
- Intelligent video analytics
- PoE plus, SD memory, Bi-directional audio support
- IP66, IK10 (SNP-3302H)

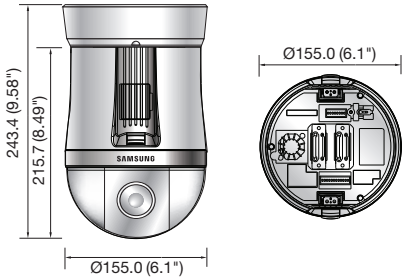
Dimensions

Unit : mm (inch)

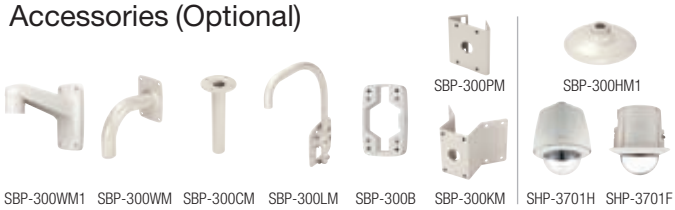
SNP-3302H



SNP-3302



Accessories (Optional)



SBP-300WM1 SBP-300WM SBP-300CM SBP-300LM SBP-300B SBP-300PM SBP-300KM SBP-300HM1 SHP-3701H SHP-3701F (SNP-3302)

Technical Specifications

	SNP-3302HN/3302N	SNP-3302HP/3302P
VIDEO		
Imaging Device	1/4" Vertical double density interline transfer CCD	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Scanning System	Progressive (VPS on) (If WDR on, Interlaced scan)	
Min. Illumination	Color : 0.7Lux (F1.6, 50IRE), 0.001Lux (Sens-up, 512x) B/W : 0.07Lux (F1.6, 50IRE), 0.0001Lux (Sens-up, 512x)	
S / N Ratio	52dB	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite, 704 x 480(N), 704 x 576(P), for installation	
LENS		
Focal Length (Zoom Ratio)	3.5 ~ 105.3mm (30x)	
Max. Aperture Ratio	F1.6(Wide) / F3.6(Tele)	
Angular Field of View	H : 55.5°(Wide) ~ 1.92°(Tele) / V : 42.5°(Wide) ~ 1.43°(Tele)	
Min. Object Distance	1.8m (5.91ft)	
Focus Control	AF / One-shot AF / Manual	
Lens Type	DC auto iris	
Mount Type	Board-in type	
PAN / TILT / ROTATE		
Pan Range	360° Endless	
Pan Speed	Preset : 500°/sec, Manual : 0.024°/sec ~120°/sec	
Tilt Range	190° (-5° ~ 185°)	
Tilt Speed	Preset : 500°/sec, Manual : 0.024°/sec ~120°/sec	
Preset	255ea	
Preset Accuracy	±0.1°	
OPERATIONAL		
Camera Title	Off / On (Displayed up to 15 characters)	
Day & Night	Auto (ICR) / Color / B/W	
Backlight Compensation	Off / BLC / HLC / WDR	
Wide Dynamic Range	52dB	
Contrast Enhancement	SSDR (Samsung Super Dynamic Range) (Off / On)	
Digital Noise Reduction	SSNRIII (2D+3D noise filter) (Off / On)	
Digital Image Stabilization	Off / On	
Motion Detection	Yes	
Privacy Masking	Off / On (8 programmable zones)	
Sens-up (Frame Integration)	Off / Auto (2x ~ 512x)	
Gain Control	Off / Low / Medium / High / Manual	
White Balance	AWC / Manual / Indoor / Outdoor / ATW (1,700°K ~ 11,000°K)	
Electronic Shutter Speed	ESC / FLK / Manual (1/60 ~ 1/120,000)	ESC / FLK / Manual (1/50 ~ 1/120,000)
Digital Zoom	16x	
Flip / Mirror	Off / On	
Intelligent Video Analytics	Virtual line, Enter / Exit, Appear / Disappear	
Alarm I/O	Input 4ea / Output 2ea (Relay)	
Remote Control Interface	RS-485/422	
RS-485 Protocol	Samsung-T/E, Pelco-P/D, Panasonic, Honeywell, AD, Vicon	
NETWORK		
Ethernet	RJ-45 (10/100BASE-T)	
Video Compression Format	H.264, MPEG-4, MJPEG	
Resolution	704 x 480, 640 x 480, 352 x 240, 320 x 240	704 x 576, 640 x 480, 352 x 288, 320 x 240
Max. Framerate	30fps	25fps
Video Quality Adjustment	H.264, MPEG-4 : Compression level, Target bitrate level control MJPEG : Quality level control	
Bitrate Control Method	H.264, MPEG-4 : CBR or VBR, MJPEG : VBR	
Streaming Capability	Multiple streaming (Up to 10 profiles)	
Audio I/O	Mic / Line in, Line out	
Audio Compression Format	G.711 u-law	
Audio Communication	Bi-directional audio	
IP	IPv4, IPv6	
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS	
Security	HTTPS(SSL) login authentication, Digest login authentication IP address filtering, User access log, 802.1x authentication	
Streaming Method	Unicast / Multicast	
Max. User Access	10 users at unicast mode	
Memory Slot	SD/SDHC memory slot	
ONVIF Conformance	Yes	
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek	
Web Viewer	Supported OS : Windows XP / VISTA / 7, MAC OS Supported Browser : Internet Explorer 7.0 or 8.0, Firefox, Google Chrome, Apple Safari	
Central Management Software	NET-i viewer	
ENVIRONMENTAL		
Operating Temperature / Humidity	SNP-3302H : PoE+ : -10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH (Heater off) 24V AC : -50°C ~ +55°C (-58°F ~ +131°F) / Less than ~ 90% RH (Heater on) SNP-3302 : -10°C ~ +55°C (+14°F ~ +131°F) / 20% ~ 80% RH	
Ingress Protection	IP66 grade (SNP-3302H only)	
Vandal Resistance	IK10 (SNP-3302H only)	
ELECTRICAL		
Input Voltage / Current	24V AC, PoE+ (IEEE 802.3at)	
Power Consumption	SNP-3302H : Max. 25W (Heater off), Max. 60W (Heater on) * Heater works at AC input only SNP-3302 : Max. 21W	
MECHANICAL		
Color / Material	SNP-3302H : Ivory / Aluminum / Plastic sun-shield, SNP-3302 : Ivory / Plastic	
Dimensions (WxH)	SNP-3302H : Ø248.0 x 316.5mm (Ø9.76" x 12.46") SNP-3302 : Ø155.0 x 243.4mm (Ø6.1" x 9.58")	
Weight	SNP-3302H : 4.6Kg (10.14 lb), SNP-3302 : 2.2Kg (4.85 lb)	

* The latest product information / specification can be found at www.samsungsecurity.com

SNP-3120

4CIF 12x Network PTZ Dome Camera



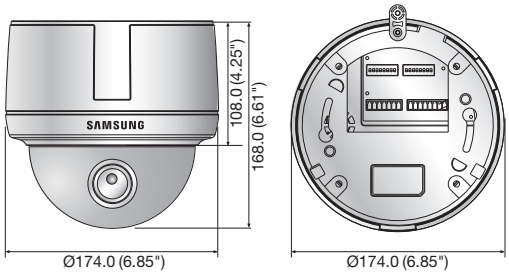
4CIF | 12x A/F Lens | D&N ICR | WDR | PoE+

Key Features

- Max. 30(25)fps at 4CIF resolution
- 3.69 ~ 44.32mm (12x) optical zoom, 16x digital zoom
- H.264, MPEG-4, MJPEG multiple codec
- Multiple streaming
- Intelligent video analytics
- PoE plus, SD memory, Bi-directional audio support

Dimensions

Unit : mm (inch)



Accessories (Optional)



SBP-300HM1 SBP-300WM1 SBP-300WM SBP-300CM SBP-300LM SBP-300B SBP-300PM SBP-300KM

Technical Specifications

	SNP-3120N	SNP-3120P
VIDEO		
Imaging Device	1/4" Ex-view HAD PS CCD	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Scanning System	Progressive (VPS on) (If WDR on, Interlaced scan)	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 600TV lines	
Min. Illumination	Color : 0.7Lux (F1.65, 50IRE), 0.001Lux (Sens-up 512x) B/W : 0.07Lux (F1.65, 50IRE), 0.0001Lux (Sens-up 512x)	
S / N Ratio	50dB	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	3.69 ~ 44.32mm (12x)	
Max. Aperture Ratio	F1.65(Wide) / F2.01(Tele)	
Angular Field of View	H : 54.44°(Wide) ~ 4.62°(Tele) / V : 42.32°(Wide) ~ 3.58°(Tele)	
Min. Object Distance	0.2m(Wide) / 0.8m(Tele)	
Focus Control	AF / One-shot AF / Manual	
Lens Type	DC auto iris	
PAN / TILT / ROTATE		
Pan Range	360° Endless	
Pan Speed	Preset : 650°/sec, Manual : 0.05°/sec ~120°/sec (Turbo : 200°/sec)	
Tilt Range	-5°~185°	
Tilt Speed	Preset : 650°/sec, Manual : 0.05°/sec ~120°/sec	
Preset	255ea	
Preset Accuracy	±0.1°	
OPERATIONAL		
Camera Title	Off / On (Displayed up to 12 characters)	
Day & Night	Auto (ICR) / Color / B/W	
Backlight Compensation	Off / BLC / WDR	
Wide Dynamic Range	52dB	
Contrast Enhancement	XDR (eXtended Dynamic Range) (Off / Low / Medium / High)	
Digital Noise Reduction	Motion adaptive 2D+3D noise filter (Off / Low / Medium / High)	
Digital Image Stabilization	Off / On	
Motion Detection	Off / On (4 programmable zones)	
Privacy Masking	Off / On (12 polygonal programmable zones)	
Sens-up (Frame Integration)	Off / Auto (2x ~ 512x)	
Gain Control	Off / Low / Medium / High / Manual	
White Balance	ATW (In) / ATW (Out) / AWC / Manual	
Electronic Shutter Speed	Off / A.FLK / Manual (1/120 ~ 1/10,000sec)	
Digital Zoom	16x	
Flip / Mirror	Digital flip	
VPS	Off / On	
Intelligent Video Analytics	Moved / Fixed	
Alarm I/O	Input 2ea / Output 2ea (Relay)	
Remote Control Interface	RS-485	
RS-485 Protocol	Samsung-T/E, Pelco-P/D, Panasonic, Honeywell, AD, Vicon, GE, Bosch	
NETWORK		
Ethernet	RJ-45 (10/100BASE-T)	
Video Compression Format	H.264, MPEG-4, MJPEG	
Resolution	704 x 480, 640 x 480, 352 x 240, 320 x 240	704 x 576, 640 x 480, 352 x 288, 320 x 240
Max. Framerate	30fps	25fps
Video Quality Adjustment	H.264, MPEG-4 : Compression level, Target bitrate level control MJPEG : Quality level control	
Bitrate Control Method	H.264, MPEG-4 : CBR or VBR, MJPEG : VBR	
Streaming Capability	Multiple streaming (Up to 10 profiles)	
Audio I/O	Mic / Line in, Line out	
Audio Compression Format	G.711 u-law	
Audio Communication	Bi-directional audio	
IP	IPv4, IPv6	
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS	
Security	HTTPS(SSL) Login authentication, Digest login authentication IP address filtering, User access log	
Streaming Method	Unicast / Multicast	
Max. User Access	10 users at unicast mode	
Memory Slot	SD/SDHC memory slot	
ONVIF Conformance	Yes	
Web Viewer	Supported OS : Windows XP / VISTA / 7, MAC OS Supported Browser : Internet Explorer 6.0/7.0/8.0, Firefox, Google Chrome, Apple Safari	
Central Management Software	NET-i viewer	
ENVIRONMENTAL		
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH	
ELECTRICAL		
Input Voltage / Current	24V AC, PoE+ (IEEE802.3at)	
Power Consumption	Max. 15W	
MECHANICAL		
Color / Material	Ivory / Plastic	
Dimensions (WxH)	Ø174.0 x 168.0mm (Ø6.85" x 6.61")	
Weight	1.2Kg (2.65 lb)	

* The latest product information / specification can be found at www.samsungsecurity.com

SNP-3120VH

4CIF Weatherproof 12x Network PTZ Dome Camera



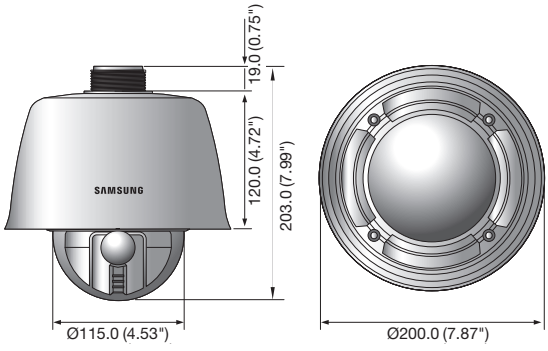
4CIF | 12x A/F Lens | D&N ICR | WDR | PoE+

Key Features

- Max. 30(25)fps at 4CIF resolution
- 3.69 ~ 44.32mm (12x) optical zoom, 16x digital zoom
- H.264, MPEG-4, MJPEG multiple codec
- Multiple streaming
- Intelligent video analytics
- PoE plus, SD memory, IP66, Bi-directional audio support

Dimensions

Unit : mm (inch)



Accessories (Optional)



SBP-300WM1 SBP-300WM SBP-300CM SBP-300LM SBP-300B SBP-300PM SBP-300KM

Technical Specifications

	SNP-3120VHN	SNP-3120VHP
VIDEO		
Imaging Device	1/4" Ex-view HAD PS CCD	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Scanning System	Progressive (VPS on) (If WDR on, Interlaced scan)	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 600TV lines	
Min. Illumination	Color : 0.7Lux (F1.65, 50IRE), 0.001Lux (Sens-up 512x) B/W : 0.07Lux (F1.65, 50IRE), 0.0001Lux (Sens-up 512x)	
S / N Ratio	50dB	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	3.69 ~ 44.32mm (12x)	
Max. Aperture Ratio	F1.65(Wide) / F2.01(Tele)	
Angular Field of View	H : 54.44°(Wide) ~ 4.62°(Tele) / V : 42.32°(Wide) ~ 3.58°(Tele)	
Min. Object Distance	0.2m(Wide) / 0.8m(Tele)	
Focus Control	AF / One-shot AF / Manual	
Lens Type	DC auto iris	
PAN / TILT / ROTATE		
Pan Range	360° Endless	
Pan Speed	Preset : 650°/sec, Manual : 0.05°/sec ~120°/sec (Turbo : 200°/sec)	
Tilt Range	-5°~185°	
Tilt Speed	Preset : 650°/sec, Manual : 0.05°/sec ~120°/sec	
Preset	255ea	
Preset Accuracy	±0.1°	
OPERATIONAL		
Camera Title	Off / On (Displayed up to 12 characters)	
Day & Night	Auto (ICR) / Color / B/W	
Backlight Compensation	Off / BLC / WDR	
Wide Dynamic Range	52dB	
Contrast Enhancement	XDR (eXtended Dynamic Range) (Off / Low / Medium / High)	
Digital Noise Reduction	Motion adaptive 2D+3D noise filter (Off / Low / Medium / High)	
Digital Image Stabilization	Off / On	
Motion Detection	Off / On (4 programmable zones)	
Privacy Masking	Off / On (12 polygonal programmable zones)	
Sens-up (Frame Integration)	Off / Auto (2x ~ 512x)	
Gain Control	Off / Low / Medium / High / Manual	
White Balance	ATW (In) / ATW (Out) / AWC / Manual	
Electronic Shutter Speed	Off / A.FLK / Manual (1/120 ~ 1/10,000sec)	
Digital Zoom	16x	
Flip / Mirror	Digital flip	
VPS	Off / On	
Intelligent Video Analytics	Moved / Fixed	
Alarm I/O	Input 2ea / Output 2ea (Relay)	
Remote Control Interface	RS-485	
RS-485 Protocol	Samsung-T/E, Pelco-P/D, Panasonic, Honeywell, AD, Vicon, GE, Bosch	
NETWORK		
Ethernet	RJ-45 (10/100BASE-T)	
Video Compression Format	H.264, MPEG-4, MJPEG	
Resolution	704 x 480, 640 x 480, 352 x 240, 320 x 240	704 x 576, 640 x 480, 352 x 288, 320 x 240
Max. Framerate	30fps	25fps
Video Quality Adjustment	H.264, MPEG-4 : Compression level, Target bitrate level control MJPEG : Quality level control	
Bitrate Control Method	H.264, MPEG-4 : CBR or VBR, MJPEG : VBR	
Streaming Capability	Multiple streaming (Up to 10 profiles)	
Audio I/O	Mic / Line in, Line out	
Audio Compression Format	G.711 u-law	
Audio Communication	Bi-directional audio	
IP	IPv4, IPv6	
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS	
Security	HTTPS(SSL) Login authentication, Digest login authentication IP address filtering, User access log	
Streaming Method	Unicast / Multicast	
Max. User Access	10 users at unicast mode	
Memory Slot	SD/SDHC memory slot	
ONVIF Conformance	Yes	
Web Viewer	Supported OS : Windows XP / VISTA / 7, MAC OS Supported Browser : Internet Explorer 6.0/7.0/8.0, Firefox, Google Chrome, Apple Safari	
Central Management Software	NET-i viewer	
ENVIRONMENTAL		
Operating Temperature / Humidity	PoE+ : -10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH (Heater off) 24V AC : -50°C ~ +55°C (-58°F ~ +131°F) / Less than ~ 90% RH (Heater on)	
Ingress Protection	IP66 grade	
ELECTRICAL		
Input Voltage / Current	24V AC, PoE+ (IEEE802.3at)	
Power Consumption	Max. 15W (Heater off), Max. 45W (Heater on) * Heater works at AC power input only	
MECHANICAL		
Color / Material	Ivory / Aluminum (Vandal-resistance), Sun-shield built-in	
Dimensions (WxH)	Ø200.0 x 203.0mm (Ø7.87" x 7.99")	
Weight	2.4Kg (5.29 lb)	

* The latest product information / specification can be found at www.samsungsecurity.com

Network Video Recorder Selection

	Network Video Recorders (NVR)		
	SRN-1000	SRN-1670D	SRN-470D
			
OS	Linux	Linux	Linux
Max. Bit Rate	100Mbps	64Mbps	64Mbps
Recording Rate	Up to 120fps@1.3M, 2M Up to 480/400fps@4CIF	Up to 120fps@1.3M, 2M Up to 480/400fps@4CIF	Up to 120fps@1.3M, 2M Up to 120/100fps@4CIF
Max # of Cameras	64	16	4
Internal Storage	Up to 8 SATA HDDs	Up to 5 SATA HDDs	Up to 1 SATA HDD
External Storage	2 e-SATA Interface	2 e-SATA Interface	2 e-SATA Interface
Protocols	TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, DHCP, PPPoE, SMTP, ICMP, IGMP, ARP, DNS, DDNS, UPnP, ONVIF	TCP/IP, DHCP, PPPoE, SMTP, NTP, HTTP, DDNS, RTP, RTSP	TCP/IP, DHCP, PPPoE, SMTP, NTP, HTTP, DDNS, RTP, RTSP
DVD Burner	N/A	Yes	Yes
Watermark	Yes	Yes	Yes
Isolated Networks for Cameras / Source	Yes	Yes	Yes
Compatible Viewing Software	NET-i viewer, Webviewer	NET-i viewer, Webviewer	NET-i viewer, Webviewer
HDMI Output	N/A	720p/1080p(60Hz) resolution	720p/1080p(60Hz) resolution
S2 Access Control Integration (Pronto)	N/A	N/A	N/A

	Network Video Encoder / Decoder			
	SPE-400	SPE-101	SPE-100	SPD-400
				
Event Trigger	Motion detection, Alarm input, Video loss	Motion detection, Video loss	Motion detection, Alarm input, Video loss	Alarm input, IP camera event input
RS-485 Protocol	Samsung-T/E, Pelco-P/D, Panasonic, Honeywell, AD, Vicon, GE, Bosch, Sungjin	Samsung-T/E, Pelco-P/D, Panasonic, Honeywell, AD, Vicon, GE, Bosch, Sungjin	Samsung-T/E, Pelco-P/D	N/A
Video Compression Format	H.264, MPEG-4, MJPEG	H.264, MPEG-4, MJPEG	H.264, MPEG-4, MJPEG	H.264, MPEG-4, MJPEG
Streaming Capability	Multiple streaming (Up to 10 profiles)	Multiple streaming (Up to 10 profiles)	Multiple streaming (Up to 10 profiles)	N/A
Security	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log	HTTPS(SSL) login authentication, User access log
ONVIF Comformance	Yes	Yes	Yes	N/A

SRN-1000

Network Video Recorder



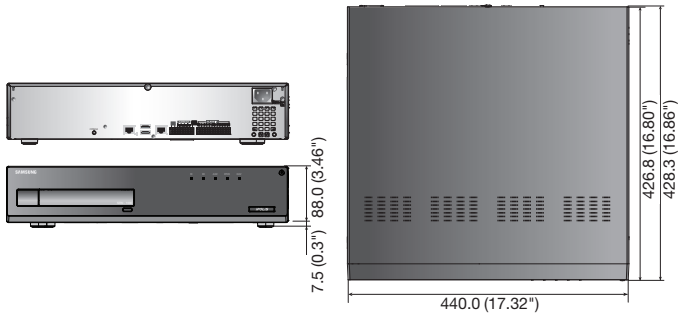
H.264 | 100Mbps | CMS | Built-in 1TB HDD

Key Features

- Max. 64CH support
- H.264, MJPEG, MPEG-4 multiple codec
- 100Mbps recording bit rate
- Max. 5MP Network camera support
- Built-in 1TB HDD
- Max. 8 Internal HDDs & 2 external e-SATA
- Event Record, Search function (Alarm, MD, VA)

Dimensions

Unit : mm (inch)



Technical Specifications

		SRN-1000
DISPLAY		
N/W Camera	Inputs	Up to 64CH
	Resolution	CIF ~ 5M
	Protocols	Onvif (Axis, Sony, Panasonic), Samsung
Live	Multi Screen Display	1 / 4 / 9 / 16, Sequence
PERFORMANCE		
Operating System	Embedded	Linux
Recording	Compression	H.264, MPEG-4, MJPEG
	Recording Bit Rate	100Mbps
	Resolution	CIF ~ 5M
	Mode	Manual, Schedule (Continuous / Event), Event (Pre / Post)
	Event Trigger	Alarm input, Video loss, Camera event (Video analytics)
	Event Action	E-mail, PTZ preset, Alarm buzzer
Search & Playback	Search Mode	Date/time, Event
	Simultaneous Playback	4CH
	Resolution	CIF ~ 5M
	Playback Function	Fast forward / Fast backward, Move one step up / Move one step down
Storage	Internal HDD	Up to 8 SATA HDDs
	External (e-SATA Interface)	e-SATA (2 port)
	File Format (Back up)	JPEG, AVI
NETWORK		
Ethernet		RJ-45, Gigabit Ethernet x 2
Protocol Support		TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, DHCP, PPPoE, SMTP, ICMP, IGMP, ARP, DNS, DDNS, UPnP, ONVIF
DDNS		Samsung iPOLiS DDNS
Transmission Speed		Up to 64Mbps
Max. Remote Users		Search 3 / Live unicast 10 / Live multicast 20
IP		IPv4
Security		IP address filtering, User access log, 802.1x authentication
Monitoring		NET-i viewer, Webviewer
INTERFACE		
Audio	Input	64CH (Network)
	Compression	G.711, G.726
Alarm	Input / Output	Terminal 16 inputs (NO/NC), Terminal 4 outputs (Relay), Terminal 1 reset
Connections	Ethernet	2 RJ-45 10/100/1000 Base-T
	eSATA	2 ports
GENERAL		
Electrical	Input Voltage / Current	100 ~ 240V AC ±10%, 50/60Hz, 4 ~ 1.5A
	Power Consumption	Max. 45W (154 BTU with 1 HDD), Max. 170W (580 BTU with 8 HDD)
Environmental	Operating Temperature	+0°C ~ +40°C (+32°F ~ +104°F)
	Operating Humidity	20% ~ 85% RH
Mechanical	Dimensions (WxHxD)	440.0 x 88.0 x 426.8mm (17.32" x 3.46" x 16.80")
	Weight (1x Hard Disks)	Approx. 6.2Kg (13.67 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

SRN-1670D

16CH Network Video Recorder



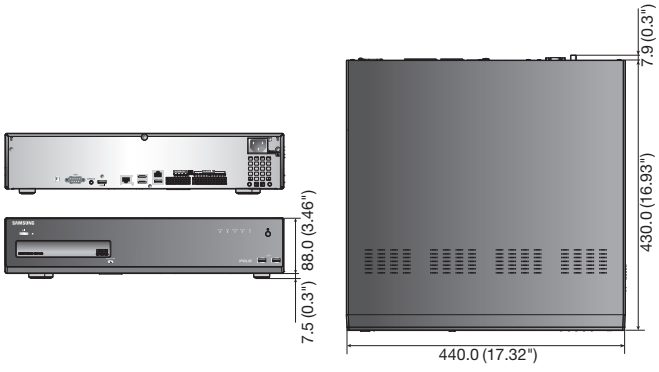
16CH | H.264 | 64Mbps | CMS | HDMI 1080p | Built-in 1TB HDD

Key Features

- Full HD resolution support
- H.264, MPEG-4, MJPEG multiple codec
- 64Mbps recording bit rate
- Local monitor output : HDMI & VGA
- Built-in 1TB HDD
- DVD writer support

Dimensions

Unit : mm (inch)



Technical Specifications

		SRN-1670D
DISPLAY		
N/W Camera	Inputs	Up to 16CH
	Resolution	VGA (640 x 480) / SVGA (800 x 600) / 4CIF (704 x 480) / 1.3M (1280 x 1024) / 2M (1920 x 1080) / 3M (2048 x 1536)
	Protocols	Samsung
Live	Multi Screen Display	1 / 4 / 6 / 8 / 9 / 13 / 16, Sequence
PERFORMANCE		
Operating System	Embedded	Linux
Recording	Compression	H.264, MPEG-4, MJPEG
	Recording Bit Rate	64Mbps
	Resolution	4CIF (704 x 480) / 1.3M (1280 x 1024) / 2M (1920 x 1080) / 3M (2048 x 1536)
	Mode	Manual, Schedule (Continuous / Event), Event (Pre / Post)
	Overwrite Modes	Selectable (Stop / Continuous)
	Pre-alarm	Up to 15sec (5,10,15sec) * 4CIF standard resolution
	Post-alarm	Up to 6hour (5, 10, 20, 30sec,1, 3, 5, 10, 20min, 1, 2, 3, 4, 5, 6hour)
Search & Playback	Playback Speed	120fps (Up to 4CH)
	Resolution	4CIF (704 x 480) / 1.3M (1280 x 1024) / 2M (1920 x 1080) / 3M (2048 x 1536)
	Search Mode	Date/time, Event, Back up (*All search included preview function)
	Playback Function	Fast forward / backward, Slow forward / backward, Step forward / backward
Network	Ethernet	Gigabit Ethernet x 2
	Transmission Speed	Up to 48Mbps, Unlimited (48M) / 2 / 1.5 / 1Mbps / 800 / 600 / 500 / 400 / 300 / 200 / 100 / 50kbps
	Bandwidth Control	Automatic
	Max. Remote Users	Search 3 / Live unicast 10 / Live multicast 20
	Protocol Support	TCP/IP, DHCP, PPPoE, SMTP, NTP, HTTP, DDNS, RTP, RTSP
	Monitoring	NET-i viewer, Webviewer
Storage	Internal HDD	Up to 5 SATA HDDs
	External (e-SATA Interface)	Up to 2 expansion bay (*Model : SVS-5R)
	DVD Writer (Back up)	Yes
	USB (Back up)	3 USB ports
	File Format (Back up)	BU (NVR player), EXE (Include player)
Security	Password Protection	1Admin, 10 Group, 20 User per 1 group, User can be assigned authority for function
	Data Authentication	Watermark
INTERFACE		
Monitors	VGA	Analogue RGB 1024 x 768 / 1280 x 1024(60Hz) resolution
	HDMI	720p/1080p(60Hz) resolution
Audio	Input	N/A (Network audio support, up to 16CH)
	Output	RCA x 1
	Compression	G.711, G.723.1, G.726
Alarm	Input	Terminal 16 inputs (NO/NC)
	Output	Terminal 4 relay outputs (NO/NC)
	Remote Notification	Notification via e-mail
Connections	Ethernet	2 RJ-45 10/100/1000 Base-T
	USB	USB 2.0, 3 ports
	eSATA	2 ports
	Application Support	Mouse, Remote controller
Dome Protocols	Supported PTZ Cameras	Samsung network products (Network PTZ)
GENERAL		
Electrical	Input Voltage / Current	100 ~ 240V AC ±10%, 50/60Hz, 4 ~ 1.5A
	Power Consumption	Max. 56W (With 1x HDD)
Environmental	Operating Temperature	+0°C ~ +40°C (+32°F ~ +104°F)
	Operating Humidity	20% ~ 85% RH
Mechanical	Dimensions (WxHxD)	440.0 x 88.0 x 430.0mm (17.32" x 3.46" x 16.93")
	Weight (1x Hard Disks)	Approx. 7.1Kg (15.65 lb)
	Rack Mount Kit	2ea
Language		Korean, Japanese, Chinese, English, French, German, Spanish, Italian, Russian, Polish, Czech, Turkish, Netherlands, Portuguese, Swedish, Danish, Thai, Romanian, Serbian, Croatian, Hungarian, Greek (22 Language)

* The latest product information / specification can be found at www.samsungsecurity.com

SRN-470D

4CH Network Video Recorder



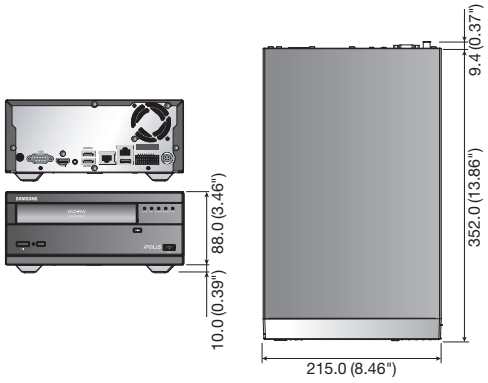


Key Features

- Full HD resolution support
- H.264, MPEG-4, MJPEG multiple codec
- 64Mbps recording bit rate
- Local monitor output : HDMI & VGA
- Built-in 1TB HDD
- DVD writer support

Dimensions

Unit : mm (inch)



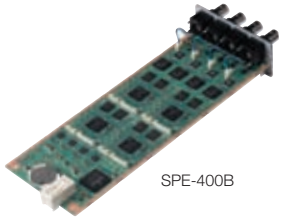
Technical Specifications

		SRN-470D
DISPLAY		
N/W Camera	Inputs	Up to 4CH
	Resolution	VGA (640 x 480) / SVGA (800 x 600) / 4CIF (704 x 480) / 1.3M (1280 x 1024) / 2M (1920 x 1080) / 3M (2048 x 1536)
	Protocols	Samsung
Live	Multi Screen Display	1 / 4, Sequence
PERFORMANCE		
Operating System	Embedded	Linux
Recording	Compression	H.264, MPEG-4, MJPEG
	Recording Bit Rate	64Mbps
	Resolution	4CIF (704 x 480) / 1.3M (1280 x 1024) / 2M (1920 x 1080) / 3M (2048 x 1536)
	Mode	Manual, Schedule (Continuous / Event), Event (Pre / Post)
	Overwrite Modes	Selectable (Stop / Continuous)
	Pre-alarm	Up to 15sec (5,10,15sec) *4CIF standard resolution
	Post-alarm	Up to 6hour (5, 10, 20, 30sec,1, 3, 5, 10, 20min, 1, 2, 3, 4, 5, 6hour)
Search & Playback	Playback Speed	120fps (Up to 4CH)
	Resolution	4CIF (704 x 480) / 1.3M (1280 x 1024) / 2M (1920 x 1080) / 3M (2048 x 1536)
	Search Mode	Date/time, Event, Back up (*All search included preview function)
	Playback Function	Fast forward / backward, Slow forward / backward, Step forward / backward
Network	Ethernet	Gigabit Ethernet x 2
	Transmission Speed	Up to 48Mbps, Unlimited (48M) / 2 / 1.5 / 1Mbps / 800 / 600 / 500 / 400 / 300 / 200 / 100 / 50kbps
	Bandwidth Control	Automatic
	Max. Remote Users	Search 3 / Live unicast 10 / Live multicast 20
	Protocol Support	TCP/IP, DHCP, PPPoE, SMTP, NTP, HTTP, DDNS, RTP, RTSP
	Monitoring	NET-i viewer, Webviewer
Storage	Internal HDD	Up to 1 SATA HDD
	External (e-SATA Interface)	Up to 2 expansion bay (*Model : SVS-5R)
	DVD Writer (Back up)	Yes
	USB (Back up)	2 USB ports
	File Format (Back up)	BU (NVR player), EXE (Include player)
Security	Password Protection	1Admin, 10 Group, 20 User per 1 group, User can be assigned authority for function
	Data Authentication	Watermark
INTERFACE		
Monitors	VGA	Analogue RGB 1280 x 1024(60Hz) resolution
	HDMI	720p/1080p(60Hz) resolution
Audio	Input	N/A (Network audio support, up to 4CH)
	Output	RCA x 1
	Compression	G.711, G.723.1, G.726
Alarm	Input	Terminal 4 inputs (NO/NC)
	Output	Terminal 2 relay outputs (NO/NC)
	Remote Notification	Notification via e-mail
Connections	Ethernet	2 RJ-45 10/100/1000 Base-T
	USB	USB 2.0, 2 ports
	eSATA	2 ports
	Application Support	Mouse, Remote controller
Dome Protocols	Supported PTZ Cameras	Samsung network products (Network PTZ)
GENERAL		
Electrical	Input Voltage / Current	12V DC adaptor, 4A,100 ~ 250V AC, 50/60Hz, 1.2A
	Power Consumption	Max. 36W (With 1x HDD)
Environmental	Operating Temperature	+0°C ~ +40°C (+32°F ~ +104°F)
	Operating Humidity	20% ~ 85% RH
Mechanical	Dimensions (WxHxD)	215.0 x 88.0 x 352.0mm (8.46" x 3.46" x 13.86")
	Weight (1x Hard Disks)	Approx. 3.7Kg (8.16 lb)
Language		Korean, Japanese, Chinese, English, French, German, Spanish, Italian, Russian, Polish, Czech, Turkish, Netherlands, Portuguese, Swedish, Danish, Thai, Romanian, Serbian, Croatian, Hungarian, Greek (22 Language)

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SPE-400B/1600R

4CH Blades / 16CH Network Video Encoder Rack



SPE-400B



SPE-1600R

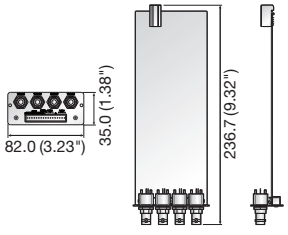
4CH 16CH 4CIF

Key Features

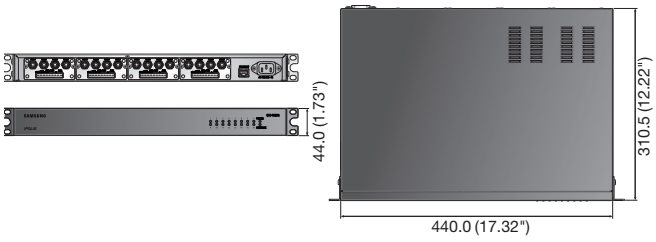
- Max. 30(25)fps at 4CIF resolution
- H.264, MPEG-4, MJPEG multiple codec
- Multiple streaming simultaneously
- 1000BASE-T
- SPE-1600R : extension rack, 4 slots for SPE-400B

Dimensions

Unit : mm (inch)



SPE-400B



SPE-1600R

Technical Specifications

	SPE-400BN	SPE-400BP
OPERATIONAL		
Video In	4 CVBS : 1.0 Vp-p / 75Ω composite, NTSC/PAL auto detection	
De-interlacing Filter	Built-in	
Event Trigger	Motion detection, Alarm input, Video loss	
Alarm I/O	Input 4ea / Output 4ea (Relay)	
Remote Control Interface	4ea RS-485 (Half duplex)	
RS-485 Protocol	Samsung-T/E, Pelco-P/D	
NETWORK		
Ethernet	RJ-45 (1000BASE-T)	
Video Compression Format	H.264, MPEG-4, MJPEG	
Resolution	704 x 480, 640 x 480, 352 x 240, 320 x 240	704 x 576, 640 x 480, 352 x 288, 320 x 240
Max. Framerate	30fps per channel	25fps per channel
Video Quality Adjustment	H.264, MPEG-4 : Compression level, Target bitrate level control MJPEG : Quality level control	
Bitrate Control Method	H.264, MPEG-4 : CBR or VBR, MJPEG : VBR	
Streaming Capability	Multiple streaming (Up to 10 profiles)	
IP	IPv4, IPv6	
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPOE FTP, SMTP, ICMP, IGMP, SNMPV1/V2C/V3(MIB-2), ARP, DNS, DDNS	
Security	HTTPS(SSL) login authentication, Digest login authentication IP address filtering, User access log	
Streaming Method	Unicast / Multicast	
Max. User Access	10 users at unicast mode	
ONVIF Conformance	Yes	
Web Viewer	Supported OS : Windows XP / VISTA / 7, MAC OS Supported Browser : Internet Explorer 7.0 or Higher, Firefox, Google Chrome, Apple Safari	
Central Management Software	NET-i viewer	
ENVIRONMENTAL		
Operating Temperature / Humidity	0°C ~ +40°C (+32°F ~ +104°F) / 20% ~ 80% RH	
ELECTRICAL		
Input Voltage / Current	5V DC	
Power Consumption	Max. 11W	
MECHANICAL		
Color / Material	Black / Metal	
Dimensions (WxHxD)	82.0 x 35.0 x 236.7mm (3.23" x 1.38" x 9.32")	
Weight	165g (0.36 lb)	

* The latest product information / specification can be found at www.samsungsecurity.com

	SPE-1600R
CONNECTION	
Expansion Slots	4 Slots for SPE-400B
Connector	RJ-45 (10/100/1000BASE-T)
ENVIRONMENTAL	
Operating Temperature	0°C ~ +40°C (+32°F ~ +104°F)
Operating Humidity	20% ~ 80% RH
ELECTRICAL	
Input Voltage / Current	100 ~ 240V AC ±10%, 50/60Hz / 0.5A
Power Consumption	Max. 50W (with SPE-400B x 4)
MECHANICAL	
Color / Material	Black / Metal
Dimensions (WxHxD)	440.0 x 44.0 x 310.5mm (17.32" x 1.73" x 12.22")
Weight	3.17Kg (1.44 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

SPE-400

4CH Network Video Encoder



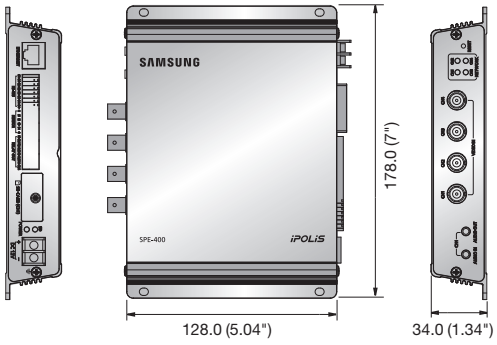
4CH | H.264 | 4CIF | Bi-directional Audio

Key Features

- Max. 30(25)fps at 4CIF resolution
- H.264, MPEG-4, MJPEG multiple codec
- Multiple streaming simultaneously
- 10/100/1000BASE-T
- SD memory, Bi-directional audio support

Dimensions

Unit : mm (inch)



Technical Specifications

	SPE-400N	SPE-400P
OPERATIONAL		
Video In	4 CVBS : 1.0 Vp-p / 75Ω composite, NTSC/PAL auto detection	
De-interlacing Filter	Built-in	
Event Trigger	Motion detection, Alarm input, Video loss	
Alarm I/O	Input 4ea / Output 4ea (Relay)	
Remote Control Interface	4ea RS-485 (Half duplex)	
RS-485 Protocol	Samsung-T/E, Pelco-P/D, Panasonic, Vicon, Honeywell, AD, GE, Bosch, Sungjin	
NETWORK		
Ethernet	RJ-45 (10/100/1000BASE-T)	
Video Compression Format	H.264, MPEG-4, MJPEG	
Resolution	704 x 480, 640 x 480, 352 x 240, 320 x 240	704 x 576, 640 x 480, 352 x 288, 320 x 240
Max. Framerate	30fps per channel	25fps per channel
Video Quality Adjustment	H.264, MPEG-4 : Compression level, Target bitrate level control MJPEG : Quality level control	
Bitrate Control Method	H.264, MPEG-4 : CBR or VBR, MJPEG : VBR	
Streaming Capability	Multiple streaming (Up to 10 profiles)	
Audio I/O	1ea line in / 1ea line out (1CH only)	
Audio Compression Format	G.711 u-law	
Audio Communication	Bi-directional audio	
IP	IPv4, IPv6	
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPOE FTP, SMTP, ICMP, IGMP, SNMPV1/V2C/V3(MIB-2), ARP, DNS, DDNS	
Security	HTTPS(SSL) login authentication, Digest login authentication IP address filtering, User access log	
Streaming Method	Unicast / Multicast	
Max. User Access	10 users at unicast mode	
Memory Slot	SD/SDHC memory slot (CH1 only)	
ONVIF Conformance	Yes	
Web Viewer	Supported OS : Windows XP / VISTA / 7, MAC OS Supported Browser : Internet Explorer 7.0/8.0, Firefox, Google Chrome, Apple Safari	
Central Management Software	NET-i viewer	
ENVIRONMENTAL		
Operating Temperature / Humidity	0°C ~ +40°C (+32°F ~ +104°F) / 20% ~ 80% RH	
ELECTRICAL		
Input Voltage / Current	12V DC	
Power Consumption	Max. 15W	
MECHANICAL		
Color / Material	Silver / Metal	
Dimensions (WxHxD)	128.0 x 34.0 x 178.0mm (5.04" x 1.34" x 7")	
Weight	562g (1.29 lb)	

* The latest product information / specification can be found at www.samsungsecurity.com

SPE-101/100

1CH Network Video Encoder



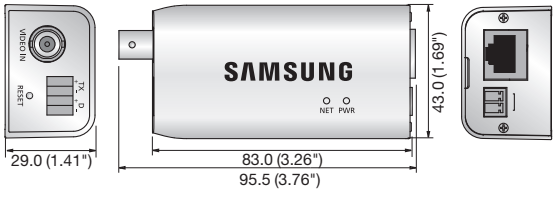
1CH | H.264 | 4CIF | PoE

Key Features

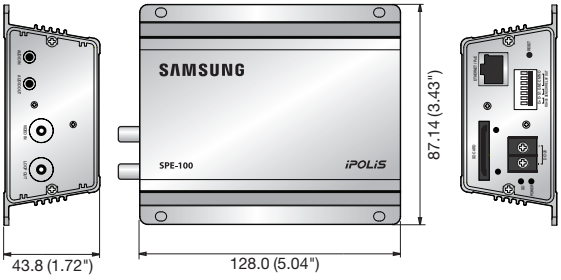
- Max. 30(25)fps at 4CIF resolution
- H.264, MPEG-4, MJPEG multiple codec
- Multiple streaming simultaneously
- 10/100BASE-T, PoE
- SD memory, Bi-directional audio support (SPE-100)

Dimensions

Unit : mm (inch)



SPE-101



SPE-100

Technical Specifications

	SPE-101N/100N	SPE-101P/100P
OPERATIONAL		
Video In	CVBS : 1.0 Vp-p / 75Ω composite, NTSC/PAL auto detection	
Video Out	CVBS : 1.0 Vp-p / 75Ω composite, Loop-out : SPE-100	
De-interlacing Filter	Built-in	
Event Trigger	Motion detection, Video loss : SPE-101 Motion detection, Alarm input, Video loss : SPE-100	
Alarm I/O	Input 1ea / Output 1ea (Relay) : SPE-100	
Remote Control Interface	RS-422/485 : SPE-101, 1ea RS-485 (Half duplex) : SPE-100	
RS-485 Protocol	Samsung-T/E, Pelco-P/D, Panasonic, Honeywell, AD, Vicon, GE, Bosch, Sungjin : SPE-101 Samsung-T/E, Pelco-P/D : SPE-100	
NETWORK		
Ethernet	RJ-45 (10/100BASE-T)	
Video Compression Format	H.264, MPEG-4, MJPEG	
Resolution	704 x 480, 640 x 480, 352 x 240, 320 x 240	704 x 576, 640 x 480, 352 x 288, 320 x 240
Max. Framerate	30fps	25fps
Video Quality Adjustment	H.264, MPEG-4 : Compression level, Target bitrate level control MJPEG : Quality level control	
Bitrate Control Method	H.264, MPEG-4 : CBR or VBR, MJPEG : VBR	
Streaming Capability	Multiple streaming (Up to 10 profiles)	
Audio I/O	1ea line in / 1ea line out : SPE-100	
Audio Compression Format	G.711 u-law : SPE-100	
Audio Communication	Bi-directional audio : SPE-100	
IP	IPv4, IPv6	
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPOE FTP, SMTP, ICMP, IGMP, SNMPV1/V2C/V3(MIB-2), ARP, DNS, DDNS	
Security	HTTPS(SSL) login authentication, Digest login authentication IP address filtering, User access log	
	802.1x authentication : SPE-101	
Streaming Method	Unicast / Multicast	
Max. User Access	10 users at unicast mode	
Memory Slot	SD/SDHC memory slot : SPE-100	
ONVIF Conformance	Yes	
Web Viewer	Supported OS : Windows XP / VISTA / 7, MAC OS Supported Browser : Internet Explorer 7.0 or Higher, Firefox, Google Chrome, Apple Safari	
Central Management Software	NET-i viewer	
ENVIRONMENTAL		
Operating Temperature / Humidity	-10°C ~ +50°C (+14°F ~ +122°F) / 20% ~ 80% RH	
ELECTRICAL		
Input Voltage / Current	12V DC, PoE (IEEE802.3af)	
Power Consumption	Max. 3.2W : SPE-101, Max. 4W : SPE-100	
MECHANICAL		
Color / Material	White / Mold, Silver / Press : SPE-101, Silver / Metal : SPE-100	
Dimensions (WxHxD)	95.5 x 29.0 x 43.0mm (3.76" x 1.41" x 1.69"), Connector included : SPE-101 128.0 x 43.8 x 87.14mm (5.04" x 1.72" x 3.43") : SPE-100	
Weight	115g (0.25 lb) : SPE-101, 391g (0.86 lb) : SPE-100	

* The latest product information / specification can be found at www.samsungsecurity.com

SPD-400

4CH Network Video Decoder



4CH | H.264 | 2M | HDMI 1080p

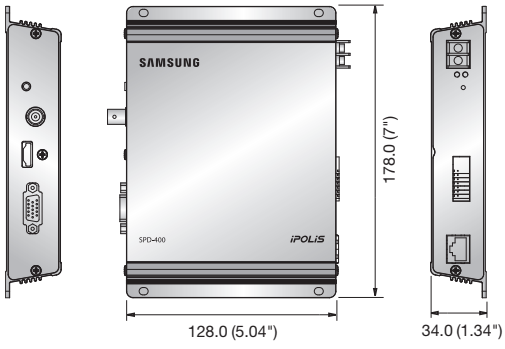
Key Features

H.264, MPEG-4, MJPEG decoding

- Full HD (1080p) video output
- Single and quad view
- Sequence mode for multiple video sources

Dimensions

Unit : mm (inch)



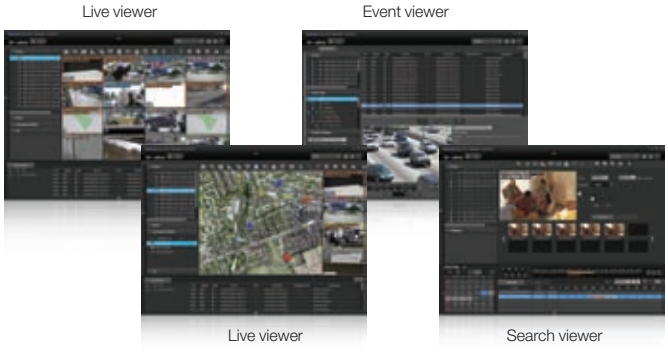
Technical Specifications

	SPD-400N	SPD-400P
OPERATIONAL		
Video Out	HDMI / VGA : Max. 1920 x 1080p 1920 x 1080p, 1680 x 1050, 1600 x 900, 1440 x 900, 1280 x 1024, 1280 x 720p, 1024 x 768	
	CVBS : 1.0 Vp-p / 75Ω composite 704 x 480	CVBS : 1.0 Vp-p / 75Ω composite 704 x 576
	HDMI / VGA, CVBS selectable	
Event Trigger	Alarm Input, IP camera event input	
Alarm I/O	Input 1ea / Output 2ea (Relay)	
NETWORK		
Ethernet	RJ-45 (10/100/1000BASE-T)	
Video Compression Format	H.264, MPEG-4, MJPEG	
Resolution	H.264 : Single view - up to 2M pixel / Quad view - up to 720p MPEG-4 : Single view - up to 4CIF / Quad view - Quad up to 4CIF MJPEG : Single vlew - up to 720p (800 x 600) / Quad vlew - up to 720p (800 x 600) 1920 x 1080p, 1280 x 1024, 1280 x 720p, 704 x 576, 704 x 480, 640 x 480, 352 x 288, 352 x 240, 320 x 240	
Max. Framerate	Max. 30fps at single view, Max. 120fps at 4 x 4CIF, Max. 60fps at 4 x 720p (No audio)	
Display	Single view, Quad view	
Audio I/O	Line out 1ea	
Audio Compression Format	G.711	
IP	IPv4, IPv6	
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), NTP, HTTP, DHCP, ICMP, IGMP, ARP, SSL, DNS	
Security	HTTPS(SSL) login authentication, User access log	
Camera Registration	20 camera, 8 layout, 10 sequence	
Support Device	Samsung : Network camera, Encoder Axis : P3301, P3343, P3344, P1311, P1343, P1344, P1346, PTZ215, Q6032, Q7401, Q7404 (F/W ver : 5.x)	
	Stream (Live video / audio) : SVNP1.2 (AXIS : RTP/RTSP) Control / Network alarm : SNVP1.2 (AXIS : Not supported)	
Web Viewer	Supported OS : Windows XP Supported Browser : Internet Explorer 7.0 or 8.0, Firefox 2.x, 3.x, Chrome, Safari	
ENVIRONMENTAL		
Operating Temperature / Humidity	0°C ~ +40°C (+32°F ~ +104°F) / 0% ~ 90% RH	
ELECTRICAL		
Input Voltage / Current	12V DC	
Power Consumption	Max.10W	
MECHANICAL		
Color / Material	Silver / Metal	
Dimensions (WxHxD)	128.0 x 34.0 x 178.0mm (5.04" x 1.34" x 7")	
Weight	530g (1.17 lb)	

* The latest product information / specification can be found at www.samsungsecurity.com

SSM (Samsung Security Manager)

Central Management Software



Key Features

- Administration by locations grouped by sites
  : permission management for viewer functions
  : site / user group / user account management
- Shows devices registered by users
- Manage multiple layouts tailored for each monitoring location for easier access
- Place video feed at any desired tile with drag-n-drop
- Simple double-clicking adds video feed to the video screen
- Supports simultaneous video display of up to 64 monitoring tiles per monitor
- Up to 4 monitors for 100 monitoring tiles
- Supports sequenced automatic source switching
- Optimized view layouts for 4 : 3 & 16 : 9 screen modes
- Various system actions (output) for events (input) from devices
- Display event log message in real time
- Check details of event searched in the list
- Confirm it to end the event situation
- Manual report which shows all events and their statistics
- Management features for user's login account and privilege based limited accessibility
- Screen lock, User access log for security
- Export/Import the device's settings & SSM information as a file
- Supports remote updating of software using update server

Supported Models

Samsung Security Manager (The latest release version : 1.1)

Network Camera	Box	SNB-7002/7001/7000/5001/5000/3000/2000/1000/1001/3002 SNZ-5200, SNO-5080R/7080R/1080R
	Dome	SND-7082/7080/5080(F)/3080(F)/3080C(F)/1010/1080/1011/3082 SND-7061/7011/5061/5011 SNV-7082(F)/7080/5080/3080/5010/3120/3082/1080/7080R/5080R/1080R
	PTZ	SNP-SNP-6200(H)/5200(H)/3430H/3370(TH)/3301(H)/3120(V/VH)/3302(H)
Encoder		SPE-400/100/101, SPE-1600R
DVR		SRD-1670(D/DC)/1650(D/DC)/870(D/DC)/850(D/DC)/470(D)/440 SRD-1630(D)/1610(D)/830(D) SRD-1652D/852D, SRD-480D, SRD-442, SRD-1640/840
NVR (H/W)		SRN-1670D/470D, SRN-1000
NVR (S/W)		NET-i ware : SNS-SF064/032/016

Technical Specifications

		Samsung Security Manager (Version : 1.1)
PERFORMANCE		
Video	Supported Format	H.264, MPEG-4, MJPEG
	Supported Resolution	Depending on the device
Audio	Supported Format	G.711 u-law (PCM), G.723, G.726 (ADPCM)
	Functions	Bi-directional audio (Listen / Talk)
Live Monitoring	Multi-monitor	Up to 4 monitors (Follow the recommended system requirement)
	Split-screen Mode	4 : 3 screen modes : 1, 4, 6, 8, 9, 10, 13, 16, 17, 21, 25, 36, 49, 64 16 : 9 screen modes : 6, 12, 20, 30 Full screen mode *While in multi-monitor environment, layouts and split modes for less than 100 channels will be available.
	Sequence Mode	Up to 16-splits per monitor
	PTZ Control	Area zoom, Go to 1x zoom, PTZ sensitivity, Zoom, Patrol, Swing / Autopan, Group / Scan, Trace / Pattern, Preset, Iris control
	360-degree Viewing	Area zoom, Go to 1x zoom, PTZ sensitivity, Zoom, Preset, PTZ / Perimeter / Quad mode (*Need to ImmerVision enables panomorph lens)
	Map Monitoring	Split view mode for map layout, 2D/3D view, Zoom in/out, Video popup (Instant viewer), Camera / Sensor / Alarm icons on the map
	Simple Recording	Recording of the selected video tile up to 1hour
	Functions	OSD on/off, Snapshot/prints image, Brightness/contrast control, Keep aspect ratio/original size, Deinterlacing, Flip, Digital zoom
Search & Playback	Search Mode	Date, Event, Smart search, POS search based on DVR, NVR, Local folder
	Split-screen Mode	Up to 16 cameras can be played simultaneously
	Video Control	Start/stop, Pause, Faster forward/backward, Step forward/backward, Skip forward/backward
	Functions	Snapshot / Prints image, Digital zoom
	Back up	Local storage, Back up format (AVI, SEC) Configurable schedule for backup (*Supported model only)
Event Monitoring	Real-time Event List	Shows real-time event list of the device (Event status, type, device, user, time(PC)), Viewing instant video image
	Searching Events	SSM : User, System Device : System, Camera, Sensor, Alarm out Camera : Video Loss, Motion, Passing, Entering, Exiting, Disappearing (Appearing), Tampering, Tracking, Face detection, Audio detection
	Reporting	Manual report (Show events and statistics), Print & save function, Format (Excel, PDF, Word)
	Confirming	Set alarm details normal/abnormal/etc, Confirm action
	History	The confirmed details of the selected event from the list
	Instant Viewer	Display the selecting camera, Confirm the event, Record event remarks and end the event status
	Instant Player	Plays the corresponding camera's video image
	Event Action	Define various system actions (output) for events (input) from devices, Action (output) types : Instant viewer, Preset, Alarm out, Pop-up, Sound and e-mail notification
CONFIGURATION		
Site / User Management		Site/user group/user account management, Permission management for viewer functions
Device Management		Automatic device IP scanning, Viewing the device settings (Device webpage), Exporting / Importing devices settings, Updating the device firmware
Screen Management	Layouts	Setting / Adding / Deleting layouts, Map / Video layout
	Monitor	Multi monitor, Split screen, Sequence, Using i-frame, Using low-resolution, Deblocking
Environment		OSD display, Date/time, Capture, Recording, Start up, Language, UI auto lock, Log
System Settings		Backup/Restore SSM setups, Restore the default settings
Time Synchronization		NTP server, Client
Update		Automatic self upgrade (Connection to Samsung upgrade server)
GENERAL		
Supported Devices		Samsung's N/W camera, Encoder, DVR / NVR
Max. Number of Media Gateways per System		Default 4 media gateway
Max. Number of Cameras per Media Gateway		N/W camera 72CH or DVR / NVR 288CH (36ea)
Max. Number of Clients per Media Gateway		5 clients
Modules		System manager, Media gateway, Console, Service manager, Schedule back up
Language		Total 23 languages support English, French, German, Spanish, Italian, Russian, Chinese, Japanese, Korean, Turkish, Polish, Czech, Serbian, Romanian, Portuguese, Dutch, Croatian, Hungarian, Greek, Swedish, Danish, Finnish, Norwegian
System Requirement	Recommended	CPU Intel i7 (Sandy bridge) above RAM 4GB above, Video memory 1GB above, HDD more than 20GB of free space for installation. (For operation, the system log database requires 10GB or more free space.), DirectX 8.1 above. Display resolution : 1,280 x 1,024 above, OpenGL compatible
	Minimum	CPU Intel Core 2 Duo 2.83 GHz above, RAM 2GB above, Video memory 512MB
	Operating System	Console (Windows XP 32bit, Windows 7 32/64bit, Windows 8 32/64bit) System mananger, Media gateway (Windows XP 32bit, Windows 7 32/64bit, Windows 8 32/64bit, Windows server 2003, Windows server 2008)

* The entire items are not supported in every device. Some items are not supported in certain devices.
* Recommended system requirement : 64CH connection, 64CH D1 resolution Display (Using 1PC)
* Minimum system requirement : 16CH connection, 16CH CIF resolution display (Using 1PC)

* The latest product information / specification can be found at www.samsungsecurity.com

SmartViewer 4.0

Easy Central Management Software



Key Features

- Up to 36 cameras monitoring from the connected cameras
- Support for full screen mode
- Drag & drop camera selection
- Video addition to the video screen by double-clicking
- Support for sequence function (automatic screen transition)
- Favorite view & sequence of favorites
- Up to 16 videos simultaneous playback simultaneously
- Support for range backup (integrated viewer)
- Search for and play recording data in the DVR, which are sorted by the event type
- User login & access privilege setup
- Save device configuration and smart viewer configuration as a file
- Log search (search by the system, user, record or backup log, etc)
- Remote update using the update server

Supported Models

SmartViewer 4.0

Network Camera	Box	SNB-7002/7001/7000/5001/6004/6003/5000/3000/2000/1000/1001/3002 SNZ-5200, SNO-7080R/6084R/5080R/1080R
	Dome	SND-7082/7080/7061/7011/6084/6083/5080(F)/5061/5011/3080(F)/ 1010/1080/1011/3082/6084R SNV-7082(F)/7080/5080/3080/5010/3120/3082/1080/7080R/6084R/5080R/1080R
	PTZ	SNP-SNP-6200(H)/5300(H)/5200(H)/3430H/3370(TH)/3301(H)/3120(V/VH)/3302(H)
Encoder		SPE-400/100/101, SPE-1600R
DVR		SRD-1670(D/DC)/1650(D/DC)/870(D/DC)/850(D/DC)/470(D)/440 SRD-1630(D)/1610(D)/830(D) SRD-1652D/852D, SRD-480D, SRD-442, SRD-1640/840
NVR (H/W)		SRN-1670D/470D, SRN-1000
NVR (S/W)		NET-i ware : SNS-SF064/032/016

Technical Specifications

		SmartViewer 4.0
PERFORMANCE		
Video	Supported Format	H.264, MPEG-4, MJPEG
	Supported Resolution	Depending on the device
Audio	Supported Format	G.711 u-law (PCM), G.723, G.726 (ADPCM)
	Functions	Bi-directional audio (Listen / Talk)
Live Monitoring	Split-screen Mode	4 : 3 screen modes : 1, 4, 9, 16, 25, 36 (Full screen mode) 16 : 9 screen modes : 1, 6, 12, 20, 30 (Full screen mode)
	Sequence Mode	Up to 16-splits
	PTZ Control	Area zoom, Zoom, Swing / Autopan, Group / Scan, Trace / Pattern, Preset, Iris / focus control
	Simple Recording	Recording of the selected video tile up to 2hours (SEC format)
	Favorite List	Favorite view (Save the current split mode setting), Sequence of the favorite list
	Functions	OSD on/off, Snapshot/prints image, Brightness/contrast control, Keep aspect ratio, Deinterlacing, Digital zoom, Defog
Search & Playback	Search Mode	Date, Event, POS search based on DVR, NVR, Local folder
	Split-screen Mode	Up to 16 cameras can be played simultaneously
	Video Control	Start/stop, Pause, Faster/slower forward/backward, Step forward/backward, Skip forward/backward
	Functions	Snapshot / Prints image, Digital zoom
	Back up	Local storage, Back up format (SEC)
Event Monitoring	Real-time Event List	Shows real-time event list of the device (Event status, type, device, user, time(PC)), Viewing instant video image
	Searching Events	Recording type : Manual / schedule Event type : Sensor, Video Loss, Motion, VA (Passing, Entering, Exiting, Disappearing (Appearing), Tampering, Tracking, Face detection, Audio detection)
	Instant Player	Plays the corresponding camera's video image (DVR / NVR)
	Event Action	Sound, Instant player pop-up
CONFIGURATION		
User Management		Admin 1, User 20
Device Management		Automatic device IP scanning, Viewing the device settings (Device webpage), Exporting / Importing devices settings, Updating the device firmware
Environment		OSD display, Date/Time, Capture, Recording, Sequence, Receive events, Language
System Settings		Exporting / Importing SmartViewer settings
Update		Automatic self upgrade (Connection to Samsung upgrade server)
GENERAL		
Supported Devices		Samsung's N/W camera, Encoder, DVR / NVR
Connections (by group)	N/W Product	Up to 36 channels
	DVR	Up to 16 devices
Language		Total 24 languages support English, French, German, Spanish, Italian, Russian, Chinese, Japanese, Korean, Turkish, Polish, Czech, Serbian, Romanian, Portuguese, Dutch, Croatian, Hungarian, Greek, Taiwanese, Swedish, Danish, Finnish, Norwegian
System Requirement	Recommended	CPU Intel i7 (Sandy bridge) above RAM 4 GB above, Video memory 1GB above, HDD more than 20 GB of free space for installation, DirectX 9.0 above. Display resolution : 1024 x 768 above, OpenGL compatible
	Minimum	CPU Intel i3 above, RAM 3GB above, Video memory 512GB above, HDD 200GB above, DirectX 9.0 above. Display resolution : 1,024 x 768 above, OpenGL compatible
	Operating System	Window XP Professional SP2, Windows Vista Business/Ultimate, Windows 7 32/64bit, Windows 8 32/64bit

* The entire items are not supported in every device. Some items are not supported in certain devices.
* The latest product information / specification can be found at www.samsungsecurity.com

NET-i ware

Recording Software





Key Features

- Recording software for Samsung network cameras
  : 16 / 32 / 64 cameras recording package are available now
  : live video monitoring and search/playback of recorded video by CMS software
- High performance recording : up to 250Mbps
- Triplex operation performance
  : recording, live video transmission, recorded video transmission
- Support for various recording options
  : continuous recording
  : event based recording (including pre/post alarm recording)
  (motion detection, intelligent video detection, video loss, alarm signal input)
  : scheduled recording (including holiday set up)
- Notification in case of event occurring
  : user defined alert sound output
  : e-mail to pre-assigned receiver
  : notification to monitoring software (CMS software)
- Event log : system, user access, back up, recording, motion, alarm, video loss, I/V
- Multiple disk allocation and distribution for stable recording
- Multi-level user access and authority management
- Support for multi-language user interface
- Automatic search of network cameras for quick and easy configuration
- Automatic self upgrade (connection to Samsung upgrade server)

Supported Models

NET-i ware (The latest release version : 1.40)

Network Camera	Box	SNB-7002/7001/7000/5001/6004/60035000/3000/2000/1000/1001/3002 SNZ-5200, SNO-5080R/7080R/1080R
	Dome	SND-7082/7080/7061/7011/6084/6083/5080(F)/5061/5011/3080(F)/ 1010/1080/1011/3082 SNV-7082(F)/7080/5080/3080/5010/3120/3082/1080/7080R/5080R/1080R
	PTZ	SNP-SNP-6200(H)/5300(H)/5200(H)/3430H/3370(TH)/3301(H)/3120(V/VH)/3302(H)
Encoder		SPE-400/100/101, SPE-1600R
DVR		SRD-1670(D/DC)/1650(D/DC)/870(D/DC)/850(D/DC)/470(D)/440 SRD-1630(D)/1610(D)/830(D) SRD-1652D/852D, SRD-480D, SRD-442, SRD-1640/840
NVR (H/W)		SRN-1670D/470D, SRN-1000
NVR (S/W)		NET-i ware : SNS-SF064/032/016

Technical Specifications

		SNS-SF064	SNS-SF032	SNS-SF016
DEVICE				
Supported Device		Samsung's Network camera, Encoder		
Protocols		Samsung, ONVIF (Profile S)		Samsung
Max. Register Device		64	32	16
PERFORMANCE				
Video	Supported Format	H.264, MPEG-4, MJPEG		
	Supported Resolution	QXGA, UXGA, SXGA, HD, SVGA, 4CIF, Half D1, VGA, CIF, QVGA		
Audio	Supported Format	G.711 u-law (PCM), G.723, G.726 (ADPCM)		
	Functions	Bi-directional audio, Listen, Transmit client microphone input to remote speakers		
Record	Performance	250Mbps		
	Record Mode	Continuous, Event (Pre/post alarm recording), Scheduled recording		
	Quality	10 levels		
	Pre/Post Record Time	Pre : 1 ~ 16CH 60sec, 17~ 32CH 30sec, 33 ~ 64CH 15sec, Post : 1200sec		
	Logs	System, User access, Back up, Recording, Motion, Alarm, Video loss, Intelligent video		
Search & Playback	Playback	Search up to 16CH simultaneously		
	Mode	Time, Event, Timeline		
Back up	Manual	DVD/CD, USB HDD, USB flash memory, Back up format : REC1, SEC		
	Schedule	NAS (Network Attached Storage), USB HDD, Back up format : REC1		
Event Monitoring	E-mail	E-mail transfer at event occurrence		
	Preset	Preset move at alarm occurrence		
Storage	Maximum Controller of HDD	24HDDs		
	Supported Device Format	SATA2 7200rpm, e-SATA, SAS, iSCSI		
	Functions	Storage space assigning by each disk, Warning against lower disk space		
System	NIC Support	NIC is selectable by device connection and client connection type		
	SW Status	Device connection, Manual / Schedule recording status		
	Data Security	Login packet encryption		
	Configuration Value	Initialization / Export / Import		
	Functions	Auto power-on record		
	Time Synchronization	NTP Server, Client		
User	User Level	User authority setting by each camera or functions		
	Local (Remote) User	Group : 32, User : 32		
	IP Filtering for Remote User	Supported		
Webviewer	Live	Monitoring up to 9CH		
	Search	Time, Timeline (4CH simultaneously)		
	Setup	NET-i ware remote setting		
Update		Automatic self upgrade (Connection to Samsung upgrade server)		
GENERAL				
Language		English, French, German, Spanish, Italian, Turkish, Russian, Chinese, Japanese, Korean, Polish, Czech, Serbian, Romanian, Portuguese, Dutch, Croatian, Hungarian, Greek, Taiwanese, Danish, Norwegian, Finnish		
System Requirement (Recommended)		CPU : Intel Core i7, RAM : 4GB Video memory : 256MB, 2HDDs(SATA II 7200rpm) above Microsoft .NET Framework 4.0 OS : Windows XP2, Windows server 2003 SP2, Windows Vista, Windows server 2008, Windows 7 32/64bit, Windows 8 32/64bit		
Web viewer System Requirement		CPU : Intel Core i3 or higher, RAM : 2GB or higher Network : 1Gbit Video memory : 512MB or higher Resolution : 1280x1024 pixels or higher OS : Windows XP Professional SP2, Windows Vista, Windows 7, Windows server 2003 SP2, Windows server 2008, Mac OS Web browser : IE 7.0 or higher, Firefox, Chrome, Safari		

* Recording channel extension is available by channel addition function.
* Two or more HDDs (SATA2 7200rpm) should be used for 250Mbps recording performance.
* The latest product information / specification can be found at www.samsungsecurity.com

iPOLiS mobile

Mobile viewer for Android / iOS



Key Features

- Smartphone App for Samsung network device monitoring
- View live streaming video with PTZ control
- Supported format : H.264/MJPEG
- Video image flip / mirror, Video image capture
- Calendar search / playback / bookmark functions for DVRs / NVRs
- Provide the profile selection (N/W camera)
- Password lock for security
- Register up to 32 devices
- Quick & easy access at mobile environment & Wi-Fi networks
- Compatible with DDNS (Dynamic Domain Naming Service)
- Multi-language support

* The iPOLiS mobile application can be downloaded freely and installed from Google Play & Apple App store.

Technical Specifications

		iPOLiS mobile (Version : 2.2)
DEVICE		
Supported Device		Network camera, Encoder, DVR, NVR
Simultaneous Connection		1
Max. Register Device		Up to 32
PERFORMANCE		
Video	Supported Format	Network camera, NVR : H.264, MJPEG DVR : H.264
	Supported Resolution	Up to 1280 x 1024 resolution
Audio	Supported Format	G.711 u-law (PCM), G.726 (ADPCM)
	Functions	Listen (1CH)
Live Monitoring	Screen-split Mode	Network camera : 1CH DVR / NVR : 1CH / 4CH
	View Mode	Vertical, Horizontal
	PTZ Control	Pan, Tilt, Zoom, Focus (Encoder / DVR only)
	Functions	Flip, Capture, Digital zoom (16x), Display the network traffic status
Search & Playback	Search Mode	Date/time
	Playback Mode	1CH only, 8x playback speed
	Functions	Bookmark
Security		Password
GENERAL		
Language		Total 23 languages support English, French, German, Spanish, Italian, Russian, Chinese, Japanese, Korean, Turkish, Polish, Czech, Serbian, Romanian, Portuguese, Dutch, Croatian, Hungarian, Greek, Swedish, Danish, Finnish, Norwegian
Mobile Device Requirement	Recommended	CPU 1.2GHz, RAM 800MB, Available RAM 50MB or more, Network 3G, 4G(LTE), Wi-Fi
	Operating System	Android OS v2.3.5, v4.0.3, v4.1.2 iOS OS v5.1.1, v6.0, v6.0.2, v6.1
Tested Mobile Devices		This application had been tested for listed devices : Android : Samsung Galaxy S2 (Android v2.3.5) series : Samsung Galaxy S3 (Android v4.1.2) model : Samsung Galaxy Note (Android v4.0.3) model : Samsung Galaxy Note 10.1 (Android v4.1.2) model iOS : Apple iPhone 4 (iOS v6.1) model : Apple iPhone 5 (iOS v6.0.2) model : Apple iPad 2 (iOS v5.1.1) model : Apple iPad 4 (iOS v6.0) model

* For proper monitoring with iPOLiS mobile on your device, the device should suffice minimum requirements.
* The latest product information / specification can be found at www.samsungsecurity.com

Supported Models

iPOLiS mobile (The latest release version : 2.2)

		Device Model	Firmware Version
Network Camera	Box / Dome	SNB-5000, SND-5080(F), SNV-5080/5010/5080R, SNO-5080R	v2.10 or higher
		SNB-7000, SND-7080(F), SNV-7080/7080R, SNO-7080R	v1.20 or higher
		SNB-1001, SND-1080/1011, SNV-1080/1080R, SNO-1080R	v1.00 or higher
		SNB-3002, SND-3082(F), SNV-3082	v1.00 or higher
		SNB-5001, SND-5061/5011/5010	v1.00 or higher
		SNB-7001, SND-7061/7011	v1.00 or higher
		SNB-7002, SND-7082/F, SNV-7082	v1.00 or higher
		SNB-6004/6003, SND-6084/6083, SNV-6012M, SNO-6084R, SNV-6084R, SND-6084R	v1.00 or higher
		SNZ-5200	v1.05 or higher
		SNV-3120	v1.24 or higher
	PTZ	SNP-3120/3120V/3120VH	v1.27 or higher
		SNP-5200/5200H	v2.00 or higher
		SNP-5300/5300H	v1.00 or higher
		SNP-3371/3371H/3371TH	v1.01 or higher
		SNP-3302/3302H	v1.01 or higher
		SNP-6200/6200H	v1.00 or higher
Encoder		SPE-400/100/101/1600R	v1.04 or higher
DVR	Live & Playback	SRD-1670/1650/1630/1610(D/DC)/870/850/830(D/DC)/470(D)	v1.08 or higher
		SRD-1652D/852D/1650DU	v1.08 or higher
	Live Only	SRD-440	v1.05 or higher
		SRD-442	v1.01 or higher
		SRD-1640/840	v1.02 or higher
NVR	H/W	SRN-470D/1670D/1671	v1.05 or higher
	S/W	NET-i ware : SNS-SF064/032/016	v1.39 or higher

SPC-2000

Network Controller



Key Features

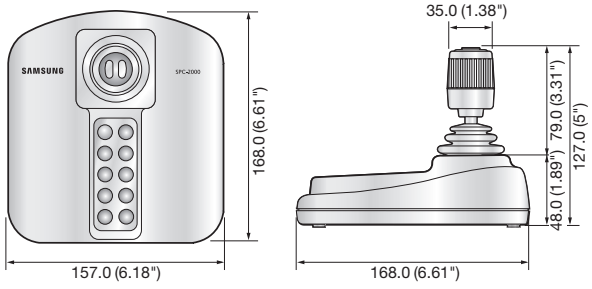
- Superior system compatibility
- 3D joystick control
- Quick and easy installation
- NET-i viewer support

Technical Specifications

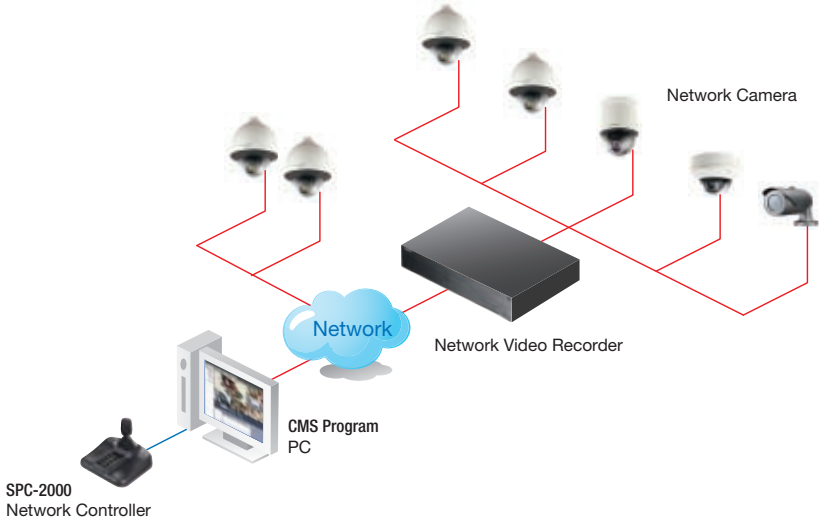
	SPC-2000
PTZ Control	Joystick (3-axis twist zoom)
Interface	USB 2.0, DirectX
Voltage	5V DC, 32mA (USB)
Operating Temperature	-25°C ~ +70°C (-13°F ~ +158°F)
Operating Humidity	10% ~ 70%
Dimensions (WxHxD)	157.0 x 127.0 x 168.0mm (6.18" x 5" x 6.61")
Weight	440g (0.97 lb)

Dimensions

Unit : mm (inch)

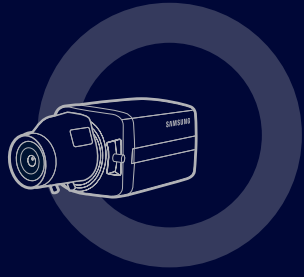


System Configuration



SAMSUNG TOTAL SECURITY SOLUTIONS





ANALOGUE CAMERA



Core Analogue DSP Technology

CCTV systems' requirements depend upon the application where they will be installed. Samsung has equipped its CCTV Cameras with a set of helpful functions that are integrated in the DSPs. There are three types of DSPs; SV-V, A1 and W-V, which Samsung has designed with the core features already in place.



SV V

The SV-V DSP chipset feature state-of-the-art technologies that provide the greatest benefit in video surveillance. This powerful tool ensures users reap the maximum advantage that allows it devices to be deployed in a wide range of applications including; car parks, industrial estates, petrol forecourts, schools, hospitals, retail parks, airports and ports.



A1

The A1 DSP chipset features state-of-the-art technologies similar to the SV-V DSP, to offer the maximum benefit for video surveillance. It provides users with a powerful tool to ensure that they achieve maximum benefit from surveillance systems that are deployed in a wide range of applications including car parks, industrial estates, petrol forecourts, schools, hospitals, retail parks, airports and ports.



WV

Samsung's 5th generation DSP is the engine that brings out the best performance from standard CCTV camera. This unique DSP provides advanced features as 2D/3D noise filtering and digital image stabilization to ensure the highest image quality and other essential functions for effective video surveillance.

1. 650/600TV lines
2. 3. SSDR (Samsung Super Dynamic Range) XDR (eXtended Dynamic Range)
4. 5. SSNRIII (Samsung Super Noise ReductionIII) Motion Adaptive DNR (Motion Adaptive Digital Noise Reduction)
6. DIS (Digital Image Stabilization)
7. VPS (Virtual Progressive Scan)
8. Polygonal Mask
9. Camera Control via Coaxial Cable
10. Intelligent Video Analytics (Fixed/Moved/Area/ Fence/Tracking/ Detection/Counting)
10. Intelligent Video Analytics (Fixed/Moved/Area/ Fence/Tracking/ Detection)

1 650TV lines

The cameras equipped with A1, SV-V, and W-V DSP chipset all deliver superb image clarity and detail for all applications. Especially, an advanced resolution of 650TV lines is featured in selected SV-V models providing outstanding image quality.


Conventional Camera


650TV lines

2 SSDR (Samsung Super Dynamic Range)

Useful in high contrast or backlight scene. Automatically lightens the dark areas within a scene whilst maintaining the brighter areas at the same level. This ensures that the dark areas become more viewable allowing the operator to view objects in the shadows.


SSDR Off


SSDR On

3 XDR (eXtended Dynamic Range)

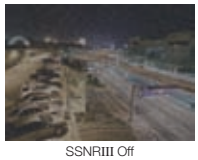
The XDR function is useful in high contrast or backlight scene. Automatically lighten the dark areas within a scene whilst maintaining the brighter areas at the same level. This ensures that the dark areas become more visible allowing the operator to view objects in the shadows.


XDR Off


XDR On

4 SSNRIII (Samsung Super Noise ReductionIII)

The 3rd generation of SSNR can be used in low light condition to enhance the image quality. This technology eliminates image noise in low light conditions without creating image blur or ghosting.


SSNRIII Off


SSNRIII On

5 Motion Adaptive DNR (Digital Noise Reduction)

The Motion Adaptive DNR function can be used in low light condition to enhance the image quality. This technology eliminates image noise in low light conditions without creating image blur or ghosting.


DNR Off


DNR On

6 DIS (Digital Image Stabilization)

The DIS function helps to negate the effects of a camera shaking due to high winds or building vibration.


DIS Off


DIS On

7 Virtual Progressive Scan

Virtual progressive scan provides a flawless clean frame every time, thus preventing motion artifacts spoiling the quality of video from fast moving objects.


Interlace Transmission (Delayed edge)


VPS Transmission (Clear edge)

8 Polygonal Mask

The SV-V/A1 cameras support polygonal shaped privacy masks so that it efficiently prevents invasion of privacy under various surveillance environments, without masking too much of the scene.


Polygonal Masking Off


Polygonal Masking On

9 Camera Control via Coaxial Cable

This function enables access to the camera menu settings without connecting any other control cables to the camera. This technology allows for camera set up (with the exception of lens focus) to be performed remotely, thus simplifying the installation process. It also allow for the control of Samsung PTZ domes from a coaxial control enabled DVR.



Controller (SPC-300)

10 Intelligent Video Analytics

The Samsung SV-V/A1 series of cameras also provide a built-in intelligent video analytics capability. Operational modes include :

- Fixed/Moved : The Fixed, senses when objects have appeared and remained in a scene for longer than a pre-determined period and the Moved detects objects removed from a scene.
- Fence : Two modes can be set on the Fence function. Area mode provides a virtual electronic area and the Line mode provides a virtual directional line on the scene that generates an alarm in the event of a breach of that area or a crossing of the directional line.
- Tracking : Tracks an object through the scene and generates an alarm in the event of abnormal directional changes.
- Motion Detection : The Motion detection analyzes successive frames of video and detects movement in the scene. Users can set the level of thresholds to prevent or reduce false alarms and the camera can generate alert if the type or level of motion crosses these thresholds.
- Counting : Provides a count of the objects passing in a pre-determined direction. (SV-V)

Analogue Camera Selection

	Box					
	SCB-4000	SCB-3001	SCB-3000	SCB-2004	SCB-2002	SCB-2001
						
Imaging Device	1/2" Ex-view HAD CCD	1/3" Super HAD CCD II (Double scan)	1/3" Super HAD CCD (Double scan)	1/3" Super HAD CCD II	1/3" Super HAD CCD II	1/3" Super HAD CCD II
Min. Illumination (50 IRE)	Color : 0.1Lux, B/W : 0.01Lux	Color : 0.1Lux, B/W : 0.01Lux	Color : 0.3Lux, B/W : 0.01Lux	Color : 0.1Lux	Color : 0.1Lux, B/W : 0.01Lux	Color : 0.05Lux, B/W : 0.01Lux
Lens (Mount)	Optional (C / CS)	Optional (C / CS)	Optional (C / CS)	Optional (C / CS)	Optional (C / CS)	Optional (C / CS)
Horizontal Resolution	Color : 600TV lines	Color : 650TV lines	Color : 600TV lines	Color : 700TV lines	Color : 650TV lines	Color : 600TV lines
Day & Night	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (Electrical)	Yes (ICR)	Yes (ICR)
Wide Dynamic Range	N/A	Yes	Yes	N/A	N/A	N/A
Alarm I/O	0 / 1	0 / 1	0 / 1	N/A	0 / 1	0 / 1
Motion Detection	Yes	Yes	Yes	Yes	Yes	Yes
Intelligent Video Analytics	Fixed / Moved, Fence (Line, Area)	Fixed / Moved, Fence, Tracking, Counting	Fixed / Moved, Fence, Tracking, Counting	N/A	N/A	Fixed / Moved, Fence (Line, Area)
Digital Image Stabilization	Yes	Yes	Yes	N/A	Yes	Yes
Coax Control	CCVC	Pelco-C	Pelco-C	Pelco-C	Pelco-C	CCVC
RS-485 Control	Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, GE	Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon	Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon	N/A	Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, GE, AD	Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, GE
IR Range	N/A	N/A	N/A	N/A	N/A	N/A
Installation Type	N/A	N/A	N/A	N/A	N/A	N/A
Environmental Protection	N/A	N/A	N/A	N/A	N/A	N/A
Operating Temperature	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)
Power	Dual (24V AC & 12V DC), 230V AC	Dual (24V AC & 12V DC), 230V AC	Dual (24V AC & 12V DC), 230V AC	Dual (24V AC & 12V DC), 12V DC	Dual (24V AC & 12V DC), 230V AC	Dual (24V AC & 12V DC), 230V AC

	Box			Zoom Box		
	SCB-2000	SCB-1001	SCB-3020	SCZ-3430	SCZ-3370	SCZ-2370
						
Imaging Device	1/3" Super HAD CCD II	1/3" Super HAD CCD II	1/3" Super HAD CCD (Double scan)	1/4" Ex-view HAD CCD (Double scan)	1/4" Ex-view HAD CCD (Double scan)	1/3" Super HAD CCD II
Min. Illumination (50 IRE)	Color : 0.05Lux	Color : 0.1Lux	Color : 0.45Lux	Color : 0.7Lux, B/W : 0.07Lux	Color : 0.7Lux, B/W : 0.07Lux	Color : 0.2Lux, B/W : 0.02Lux
Lens (Mount)	Optional (C / CS)	Optional (C / CS)	3.7mm fixed	43x (3.2 ~ 138.5mm)	37x (3.5 ~ 129.5mm)	37x (3.5 ~ 129.5mm)
Horizontal Resolution	Color : 600TV lines	Color : 600TV lines	Color : 600TV lines	Color : 600TV lines	Color : 600TV lines	Color : 600TV lines
Day & Night	Yes (Electrical)	Yes (Electrical)	Yes (Electrical)	Yes (ICR)	Yes (ICR)	Yes (ICR)
Wide Dynamic Range	N/A	N/A	Yes	Yes	Yes	N/A
Alarm I/O	N/A	N/A	0 / 1	0 / 1	0 / 1	N/A
Motion Detection	Yes	N/A	Yes	Yes	Yes	Yes
Intelligent Video Analytics	N/A	N/A	Fixed / Moved, Fence (Line, Area)	Fixed / Moved	Fixed / Moved, Tracking, Fence, Counting	N/A
Digital Image Stabilization	Yes	Yes	Yes	Yes	Yes	Yes
Coax Control	Pelco-C	Pelco-C	CCVC	CCVC	Pelco-C	Pelco-C
RS-485 Control	N/A	N/A	N/A	Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon	Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, AD	Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, AD
IR Range	N/A	N/A	N/A	N/A	N/A	N/A
Installation Type	N/A	N/A	N/A	N/A	N/A	N/A
Environmental Protection	N/A	N/A	N/A	N/A	N/A	N/A
Operating Temperature	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)
Power	Dual (24V AC & 12V DC), 12V DC, 230V AC	Dual (24V AC & 12V DC), 12V DC	12V DC	Dual (24V AC & 12V DC), 12V DC	Dual (24V AC & 12V DC), 12V DC	Dual (24V AC & 12V DC), 12V DC

	Zoom Box	Bullet	IR Bullet			
	SCZ-2250	SCO-2080	SCO-3080R	SCO-2120R	SCO-2080R/2080RH	SCO-1020R
						
Imaging Device	1/4" Super HAD CCD II	1/3" Super HAD CCD II	1/3" Super HAD CCD II (Double scan)	1/4" Super HAD CCD II	1/3" Super HAD CCD II	1/4" CMOS
Min. Illumination (50 IRE)	Color : 0.2Lux B/W : 0.02Lux	Color : 0.15Lux B/W : 0.001Lux	Color : 0.15Lux, B/W : 0Lux (IR LED on)	Color : 0.2Lux B/W : 0Lux (IR LED on)	Color : 0.15Lux B/W : 0Lux (IR LED on)	0Lux (IR LED on)
Lens (Mount)	25x (3.66 ~ 91.36mm)	3.6x varifocal (2.8 ~ 10mm)	3.6x varifocal (2.8 ~ 10mm)	12x (3.94 ~ 46.05mm)	3.6x varifocal (2.8 ~ 10mm)	3.6mm fixed
Horizontal Resolution	Color : 600TV lines	Color : 600TV lines	Color : 650TV lines	Color : 600TV lines	Color : 600TV lines	Color : 520TV lines
Day & Night	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (Electrical)
Wide Dynamic Range	N/A	N/A	Yes	N/A	N/A	N/A
Alarm I/O	0 / 1	N/A	0 / 1	N/A	N/A	N/A
Motion Detection	Yes	Yes	Yes	Yes	Yes	N/A
Intelligent Video Analytics	Fixed / Moved	N/A	Fixed / Moved, Fence, Tracking, Counting	N/A	N/A	N/A
Digital Image Stabilization	Yes	Yes	Yes	Yes	Yes	N/A
Coax Control	CCVC	Pelco-C	Pelco-C	Pelco-C	Pelco-C	N/A
RS-485 Control	Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon	Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon	Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon	Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, AD	Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon	N/A
IR Range	N/A	N/A	50m (164ft)	70m (230ft)	50m (164ft)	15m (49ft)
Installation Type	N/A	N/A	N/A	N/A	N/A	N/A
Environmental Protection	N/A	IP66	IP66	IP66	IP66	IP66
Operating Temperature	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F) : SCO-2080R -50°C ~ +55°C (-58°F ~ +131°F) : SCO-2080RH	-10°C ~ +55°C (+14°F ~ +131°F)
Power	Dual (24V AC & 12V DC), 12V DC	Dual (24V AC & 12V DC)	Dual (24V AC & 12V DC)	Dual (24V AC & 12V DC)	Dual (24V AC & 12V DC)	12V DC

Analogue Camera Selection

	Dome				
	SCD-3081	SCD-2081	SCD-3080	SCD-2080	SCD-2080E/2060E
					
Imaging Device	1/3" Super HAD CCD II (Double scan)	1/3" Super HAD CCD II	1/3" Super HAD CCD (Double scan)	1/3" Super HAD CCD II	1/3" Super HAD CCD II
Min. Illumination (50 IRE)	Color : 0.1Lux, B/W : 0.01Lux	Color : 0.1Lux, B/W : 0.01Lux	Color : 0.3Lux, B/W : 0.01Lux	Color : 0.15Lux, B/W : 0.001Lux	Color : 0.15Lux
Lens (Mount)	3.9x varifocal (2.8 ~ 11mm)	3.9x varifocal (2.8 ~ 11mm)	3.9x varifocal (2.8 ~ 11mm)	3.6x varifocal (2.8 ~ 10mm)	3.6x varifocal (2.8 ~ 10mm) / 2.4x varifocal (2.5 ~ 6mm)
Horizontal Resolution	Color : 650TV lines	Color : 650TV lines	Color : 600TV lines	Color : 600TV lines	Color : 600TV lines
Day & Night	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (Electrical)
Wide Dynamic Range	Yes	N/A	Yes	N/A	N/A
Alarm I/O	0 / 1	0 / 1	0 / 1	N/A	N/A
Motion Detection	Yes	Yes	Yes	Yes	Yes
Intelligent Video Analytics	Fixed / Moved, Fence, Tracking, Counting	N/A	Fixed / Moved, Fence, Tracking, Counting	N/A	N/A
Digital Image Stabilization	Yes	Yes	Yes	Yes	Yes
Coax Control	Pelco-C	Pelco-C	Pelco-C	Pelco-C	Pelco-C
RS-485 Control	N/A	N/A	N/A	N/A	N/A
IR Range	N/A	N/A	N/A	N/A	N/A
Installation Type	Surface	Surface	Surface	Surface	Surface
Environmental Protection	N/A	N/A	N/A	N/A	N/A
Operating Temperature	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)
Power	Dual (24V AC & 12V DC)	Dual (24V AC & 12V DC)	Dual (24V AC & 12V DC)	Dual (24V AC & 12V DC)	Dual (24V AC & 12V DC)

	Dome				
	SCD-2082	SCD-2022	SCD-2020/2040	SCD-2010	SCD-2010F
					
Imaging Device	1/3" Super HAD CCD II	1/3" Super HAD CCD II	1/3" Super HAD CCD II	1/3" Super HAD CCD II	1/3" Super HAD CCD II
Min. Illumination (50 IRE)	Color : 0.1Lux	Color : 0.15Lux	Color : 0.15Lux	Color : 0.04Lux	Color : 0.04Lux
Lens (Mount)	3.6x varifocal (2.8 ~ 10mm)	3.8mm fixed	3.7mm / 8mm fixed	3mm fixed	3mm fixed
Horizontal Resolution	Color : 700TV lines	Color : 700TV lines	Color : 600TV lines	Color : 600TV lines	Color : 600TV lines
Day & Night	Yes (Electrical)	Yes (Electrical)	Yes (Electrical)	Yes (Electrical)	Yes (Electrical)
Wide Dynamic Range	N/A	N/A	N/A	N/A	N/A
Alarm I/O	N/A	N/A	N/A	N/A	N/A
Motion Detection	Yes	Yes	Yes	Yes	Yes
Intelligent Video Analytics	N/A	N/A	N/A	N/A	N/A
Digital Image Stabilization	N/A	N/A	Yes	Yes	Yes
Coax Control	Pelco-C	Pelco-C	Pelco-C	Pelco-C	Pelco-C
RS-485 Control	N/A	N/A	N/A	N/A	N/A
IR Range	N/A	N/A	N/A	N/A	N/A
Installation Type	Surface	Surface	Surface	Surface	Surface
Environmental Protection	N/A	N/A	N/A	N/A	N/A
Operating Temperature	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)
Power	Dual (24V AC & 12V DC)	12V DC	Dual (24V AC & 12V DC)	12V DC	12V DC

	Dome		IR Dome		
	SCD-1080	SCD-1020/1040	SCD-2080R	SCD-2020R	SCD-1020R
					
Imaging Device	1/3" Super HAD CCD II	1/3" Super HAD CCD II	1/3" Super HAD CCD II	1/3" Super HAD CCD II	1/4" CMOS
Min. Illumination (50 IRE)	Color : 0.15Lux	Color : 0.15Lux	Color : 0.15Lux B/W : 0Lux (IR LED on)	Color : 0.15Lux B/W : 0Lux (IR LED on)	0Lux (IR LED on)
Lens (Mount)	3.6x varifocal (2.8 ~ 10mm)	3.6mm / 8mm fixed	3.6x varifocal (2.8 ~ 10mm)	3.6mm fixed	3.6mm fixed
Horizontal Resolution	Color : 600TV lines	Color : 600TV lines	Color : 600TV lines	Color : 600TV lines	Color : 520TV lines
Day & Night	Yes (Electrical)	Yes (Electrical)	Yes (ICR)	Yes (ICR)	Yes (Electrical)
Wide Dynamic Range	N/A	N/A	N/A	N/A	N/A
Alarm I/O	N/A	N/A	N/A	N/A	N/A
Motion Detection	N/A	N/A	Yes	Yes	N/A
Intelligent Video Analytics	N/A	N/A	N/A	N/A	N/A
Digital Image Stabilization	N/A	N/A	Yes	Yes	N/A
Coax Control	Pelco-C	Pelco-C	Pelco-C	Pelco-C	N/A
RS-485 Control	N/A	N/A	N/A	N/A	N/A
IR Range	N/A	N/A	20m (66ft)	7m (23ft)	10m (33ft)
Installation Type	Surface	Surface	Surface	Surface	Surface
Environmental Protection	N/A	N/A	N/A	N/A	N/A
Operating Temperature	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	0°C ~ +40°C (+32°F ~ +104°F)
Power	Dual (24V AC & 12V DC), 12V DC	Dual (24V AC & 12V DC), 12V DC	12V DC	12V DC	12V DC

Analogue Camera Selection

	Vandal-Resistant				
	SCV-3120	SCV-2120	SCV-3082	SCV-3081	SCV-2081
					
Imaging Device	1/4" Ex-view HAD CCD (Double scan)	1/4" Super HAD CCD II	1/3" Super HAD CCD II (Double scan)	1/3" Super HAD CCD (Double scan)	1/3" Super HAD CCD II
Min. Illumination (50 IRE)	Color : 0.7Lux, B/W : 0.07Lux	Color : 0.2Lux, B/W : 0.02Lux	Color : 0.1Lux, B/W : 0.01Lux	Color : 0.3Lux, B/W : 0.01Lux	Color : 0.15Lux, B/W : 0.001Lux
Lens (Mount)	12x (3.6 ~ 44.3mm)	12x (3.9 ~ 46mm)	3.9x varifocal (2.8 ~ 11mm)	3.9x varifocal (2.8 ~ 11mm)	3.6x varifocal (2.8 ~ 10mm)
Horizontal Resolution	Color : 600TV lines	Color : 600TV lines	Color : 650TV lines	Color : 600TV lines	Color : 600TV lines
Day & Night	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)
Wide Dynamic Range	Yes	N/A	Yes	Yes	N/A
Alarm I/O	0 / 1	N/A	0 / 1	0 / 1	N/A
Motion Detection	Yes	Yes	Yes	Yes	Yes
Intelligent Video Analytics	Fixed / Moved	N/A	Fixed / Moved, Fence, Tracking, Counting	Fixed / Moved, Area, Fence, Tracking, Counting	N/A
Digital Image Stabilization	Yes	Yes	Yes	Yes	Yes
Coax Control	CCVC	Pelco-C	Pelco-C	Pelco-C	Pelco-C
RS-485 Control	Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon	Samsung-T/E, Pelco-D/P, Vicon, Honeywell, Panasonic, Bosch, AD	N/A	N/A	N/A
IR Range	N/A	N/A	N/A	N/A	N/A
Installation Type	Surface, Flush	Surface, Flush	Surface	Surface	Surface
Environmental Protection	IP66, IK10	IP66, IK10	IP66, IK10	IP66, IK10	IP66, IK10
Operating Temperature	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)
Power	Dual (24V AC & 12V DC)	Dual (24V AC & 12V DC)	Dual (24V AC & 12V DC)	Dual (24V AC & 12V DC)	Dual (24V AC & 12V DC)

	Vandal-Resistant			IR Vandal-Resistant	
	SCV-3080	SCV-2080	SCV-2060	SCV-2081R	SCV-2080R
					
Imaging Device	1/3" Super HAD CCD (Double scan)	1/3" Super HAD CCD II	1/3" Super HAD CCD II	1/3" Super HAD CCD II	1/3" Super HAD CCD II
Min. Illumination (50 IRE)	Color : 0.3Lux B/W : 0.01Lux	Color : 0.15Lux B/W : 0.001Lux	Color : 0.15Lux B/W : 0.001Lux	Color : 0.15Lux B/W : 0Lux (IR LED on)	Color : 0.15Lux B/W : 0Lux (IR LED on)
Lens (Mount)	3.9x varifocal (2.8 ~ 11mm)	3.6x varifocal (2.8 ~ 10mm)	2.4x varifocal (2.5 ~ 6mm)	3.6x varifocal (2.8 ~ 10mm)	3.6x varifocal (2.8 ~ 10mm)
Horizontal Resolution	Color : 600TV lines	Color : 600TV lines	Color : 600TV lines	Color : 600TV lines	Color : 600TV lines
Day & Night	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)
Wide Dynamic Range	Yes	N/A	N/A	N/A	N/A
Alarm I/O	0 / 1	N/A	N/A	N/A	N/A
Motion Detection	Yes	Yes	Yes	Yes	Yes
Intelligent Video Analytics	Fixed / Moved, Area, Fence, Tracking, Counting	N/A	N/A	N/A	N/A
Digital Image Stabilization	Yes	Yes	Yes	Yes	Yes
Coax Control	Pelco-C	Pelco-C	Pelco-C	Pelco-C	Pelco-C
RS-485 Control	N/A	N/A	N/A	N/A	Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon
IR Range	N/A	N/A	N/A	20m (66ft)	30m (98ft)
Installation Type	Surface, Flush	Surface, Flush	Surface, Flush	Surface, Flush	Surface, Flush
Environmental Protection	IP66, IK10	IP66, IK10	IP66, IK10	IP66, IK10	IP66, IK10
Operating Temperature	-50°C ~ +55°C (-58°F ~ +131°F)	-50°C ~ +55°C (-58°F ~ +131°F)	-50°C ~ +55°C (-58°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)
Power	Dual (24V AC & 12V DC) Built-in fan & heater (24V AC)	Dual (24V AC & 12V DC) Built-in fan & heater (24V AC)	Dual (24V AC & 12V DC) Built-in fan & heater (24V AC)	Dual (24V AC & 12V DC)	Dual (24V AC & 12V DC)

	PTZ Dome				
	SCP-3430H	SCP-2430H	SCP-3371H/3371	SCP-3370TH/3370H/3370	SCP-2371H/2371
					
Imaging Device	1/4" Ex-view HAD CCD (Double scan)	1/4" Super HAD CCD	1/4" Ex-view HAD CCD (Double scan)	1/4" Ex-view HAD CCD (Double scan)	1/4" Super HAD CCD II
Min. Illumination (50 IRE)	Color : 0.7Lux, B/W : 0.07Lux	Color : 0.2Lux, B/W : 0.02Lux	Color : 0.7Lux, B/W : 0.07Lux	Color : 0.7Lux, B/W : 0.07Lux	Color : 0.2Lux, B/W : 0.02Lux
Lens (Mount)	43x (3.2 ~ 138.5mm)	43x (3.2 ~ 138.5mm)	37x (3.5 ~ 129.5mm)	37x (3.5 ~ 129.5mm)	37x (3.5 ~ 129.5mm)
Horizontal Resolution	Color : 600TV lines	Color : 600TV lines	Color : 600TV lines	Color : 600TV lines	Color : 600TV lines
Day & Night	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)
Wide Dynamic Range	Yes	N/A	Yes	Yes	N/A
Alarm I/O	8 / 3	8 / 3	8 / 3	8 / 3	8 / 3
Motion Detection	Yes	Yes	Yes	Yes	Yes
Intelligent Video Analytics	Fixed / Moved	Fixed / Moved	Detection / Tracking / Fixed_Moved	Tracking (SCP-3370TH), Fixed / Moved	N/A
Digital Image Stabilization	Yes	Yes	Yes	Yes	Yes
Coax Control	CCVC	CCVC	Pelco-C	Pelco-C	Pelco-C
RS-485 Control	Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, AD, GE	Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, AD, GE	Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, AD, GE	Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, AD, GE	Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, AD, GE
IR Range	N/A	N/A	N/A	N/A	N/A
Installation Type	N/A	N/A	N/A	N/A	N/A
Environmental Protection	IP66, IK10	IP66, IK10	IP66 (SCP-3371H)	IP66, IK10 (SCP-3370TH/3370H)	IP66 (SCP-2371H)
Operating Temperature	-50°C ~ +55°C (-58°F ~ +131°F)	-50°C ~ +55°C (-58°F ~ +131°F)	-50°C ~ +55°C (-58°F ~ +131°F) : SCP-3371H -10°C ~ +55°C (+14°F ~ +131°F) : SCP-3371	-50°C ~ +55°C (-58°F ~ +131°F) : SCP-3370TH/3370H -10°C ~ +55°C (+14°F ~ +131°F) : SCP-3370	-50°C ~ +55°C (-58°F ~ +131°F) : SCP-2371H -10°C ~ +55°C (+14°F ~ +131°F) : SCP-2371
Power	24V AC	24V AC	24V AC	24V AC	24V AC

Analogue Camera Selection

	PTZ Dome				
	SCP-2370TH/2370H/2370	SCP-2330H/2330	SCP-2271H/2271	SCP-2270H/2270	SCP-2250H/2250
					
Imaging Device	1/4" Super HAD CCD II	1/4" Super HAD CCD II	1/4" Super HAD CCD II	1/4" Super HAD CCD II	1/4" Super HAD CCD II
Min. Illumination (50 IRE)	Color : 0.2Lux, B/W : 0.02Lux	Color : 0.2Lux, B/W : 0.02Lux	Color : 0.2Lux, B/W : 0.02Lux	Color : 0.2Lux, B/W : 0.02Lux	Color : 0.2Lux, B/W : 0.02Lux
Lens (Mount)	37x (3.5 ~ 129.5mm)	33x (3.5 ~ 115.5mm)	27x (3.5 ~ 94.5mm)	27x (3.5 ~ 94.5mm)	25x (3.66 ~ 91.36mm)
Horizontal Resolution	Color : 600TV lines	Color : 600TV lines	Color : 600TV lines	Color : 600TV lines	Color : 600TV lines
Day & Night	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)
Wide Dynamic Range	N/A	N/A	N/A	N/A	N/A
Alarm I/O	8 / 3	8 / 3	8 / 3	8 / 3	8 / 3
Motion Detection	Yes	Yes	Yes	Yes	Yes
Intelligent Video Analytics	Tracking (SCP-2370TH)	N/A	N/A	N/A	Fixed / Moved
Digital Image Stabilization	Yes	Yes	Yes	Yes	Yes
Coax Control	Pelco-C	Pelco-C	Pelco-C	Pelco-C	CCVC
RS-485 Control	Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, AD, GE	Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, AD, GE	Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, AD, GE	Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, AD, GE	Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, AD, GE
IR Range	N/A	N/A	N/A	N/A	N/A
Installation Type	N/A	N/A	N/A	N/A	N/A
Environmental Protection	IP66, IK10 (SCP-2370TH/2370H)	IP66, IK10 (SCP-2330H)	IP66 (SCP-2271H)	IP66, IK10 (SCP-2270H)	IP66, IK10 (SCP-2250H)
Operating Temperature	-50°C ~ +55°C (-58°F ~ +131°F) : SCP-2370TH/2370H -10°C ~ +55°C (+14°F ~ +131°F) : SCP-2370	-50°C ~ +55°C (-58°F ~ +131°F) : SCP-2330H -10°C ~ +55°C (+14°F ~ +131°F) : SCP-2330	-50°C ~ +55°C (-58°F ~ +131°F) : SCP-2271H -10°C ~ +55°C (+14°F ~ +131°F) : SCP-2271	-50°C ~ +55°C (-58°F ~ +131°F) : SCP-2270H -10°C ~ +55°C (+14°F ~ +131°F) : SCP-2270	-50°C ~ +55°C (-58°F ~ +131°F) : SCP-2250H -10°C ~ +55°C (+14°F ~ +131°F) : SCP-2250
Power	24V AC	24V AC	24V AC	24V AC	24V AC

	PTZ Dome		IR PTZ Dome	Positioning	
	SCP-3120/3120VH	SCP-2120	SCP-2370RH	SCU-2370	SCU-9080
					
Imaging Device	1/4" Ex-view HAD CCD (Double scan)	1/4" Super HAD CCD II	1/4" Super HAD CCD II	1/4" Super HAD CCD II	320(H) x 240(H) uncooled VOX microbolometer
Min. Illumination (50 IRE)	Color : 0.7Lux, B/W : 0.07Lux	Color : 0.2Lux, B/W : 0.004Lux	Color : 0.2Lux, B/W : 0Lux (IR LED on)	Color : 0.2Lux, B/W : 0.02Lux	0Lux
Lens (Mount)	12x (3.6 ~ 44.3mm)	12x (3.9 ~ 46mm)	37x (3.5 ~ 129.5mm)	37x (3.5 ~ 129.5mm)	50mm fixed
Horizontal Resolution	Color : 600TV lines	Color : 600TV lines	Color : 600TV lines	Color : 600TV lines	320 x 240
Day & Night	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)	N/A
Wide Dynamic Range	Yes	N/A	N/A	N/A	N/A
Alarm I/O	2 / 2	2 / 2	8 / 3	3 / 2	3 / 2
Motion Detection	Yes	Yes	Yes	Yes	N/A
Intelligent Video Analytics	Fixed / Moved	N/A	N/A	N/A	N/A
Digital Image Stabilization	Yes	Yes	Yes	Yes	N/A
Coax Control	CCVC	Pelco-C	Pelco-C	Pelco-C	Pelco-C
RS-485 Control	Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, AD, GE	Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, AD, GE	Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, AD, GE	Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, AD, GE	Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, AD, GE
IR Range	N/A	N/A	100m (328ft)	N/A	N/A
Installation Type	N/A	N/A	N/A	N/A	N/A
Environmental Protection	IP66, IK10 (SCP-3120VH)	N/A	IP66, IK10	IP66	IP66
Operating Temperature	-10°C ~ +55°C (+14°F ~ +131°F) : SCP-3120 -50°C ~ +55°C (-58°F ~ +131°F) : SCP-3120VH	-10°C ~ +55°C (+14°F ~ +131°F)	-50°C ~ +55°C (-58°F ~ +131°F)	-50°C ~ +55°C (-58°F ~ +131°F)	-50°C ~ +55°C (-58°F ~ +131°F)
Power	24V AC	24V AC	24V AC	24V AC	24V AC

	HD CCTV		UTP			Thermal
	SCB-6000	SCD-6080	SUB-2000	SUD-3080	SUD-2080	SCB-9080/9060
						
Imaging Device	1/3" Progressive scan CMOS	1/3" Progressive scan CMOS	1/3" Super HAD CCD II	1/3" Sony Super HAD CCD (Double scan)	1/3" Super HAD CCD II	320(H) x 240(H) uncooled VOX microbolometer
Min. Illumination (50 IRE)	Color : 1Lux B/W : 0.1Lux	Color : 1Lux B/W : 0.1Lux	Color : 0.05Lux	Color : 0.3Lux B/W : 0.01Lux	Color : 0.15Lux B/W : 0.001Lux	0Lux
Lens (Mount)	Optional (C / CS)	2.8x varifocal (3 ~ 8.5mm)	Optional (C / CS)	3.9x varifocal (2.8 ~ 11mm)	3.6x varifocal (2.8 ~ 10mm)	50mm fixed : SCB-9080 14mm fixed : SCB-9060
Horizontal Resolution	1920 x 1080	1920 x 1080	Color : 600TV lines	Color : 600TV lines	Color : 600TV lines	320 x 240
Day & Night	Yes (ICR)	Yes (ICR)	Yes (Electrical)	Yes (ICR)	Yes (ICR)	N/A
Wide Dynamic Range	N/A	N/A	N/A	Yes	N/A	N/A
Alarm I/O	1 / 1	1 / 1	N/A	0 / 1	N/A	0 / 1
Motion Detection	Yes	Yes	Yes	Yes	Yes	N/A
Intelligent Video Analytics	N/A	N/A	N/A	Fixed / Moved, Area, Fence, Tracking, Counting	N/A	N/A
Digital Image Stabilization	N/A	N/A	Yes	Yes	Yes	N/A
Coax Control	N/A	N/A	Pelco-C	Pelco-C	Pelco-C	Pelco-C
RS-485 Control	Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, AD, GE	Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, AD, GE	Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon	Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon	Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon	Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, AD, GE
IR Range	N/A	N/A	N/A	N/A	N/A	N/A
Installation Type	N/A	N/A	N/A	Surface, Flush	Surface, Flush	N/A
Environmental Protection	N/A	N/A	N/A	N/A	N/A	IP66
Operating Temperature	0°C ~ +55°C (+32°F ~ +131°F)	0°C ~ +55°C (+32°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-30°C ~ +55°C (-22°F ~ +131°F)
Power	Dual (24V AC & 12V DC)	Dual (24V AC & 12V DC)	Dual (24V AC & 12V DC), 28V AC	Dual (24V AC & 12V DC), 28V AC	Dual (24V AC & 12V DC), 28V AC	24V AC

SAMSUNG TECHWIN

SCB-4000

High Resolution Camera



* Lens not included

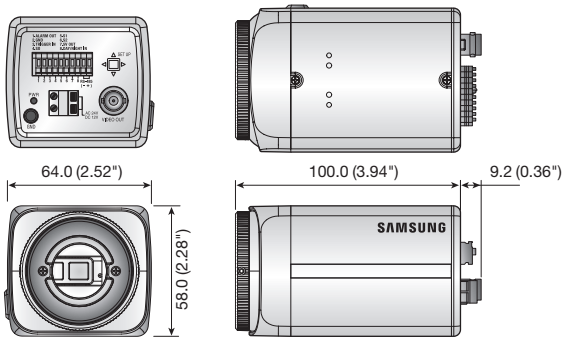


Key Features

- High resolution of 600TV lines (Color), 700TV lines (B/W)
- Min. illumination 0.1Lux@F1.2 (Color), 0.01Lux (B/W)
- True Day & Night (ICR), Intelligent video analytics, MD, DNR
- Coax : CCVC, RS-485, Dual power, 230V AC (High voltage type)

Dimensions

Unit : mm (inch)



Available Lenses / Accessories (Optional)





Technical Specifications

	SCB-4000N	SCB-4000P	SCB-4000PH
VIDEO			
Imaging Device	1/2" Ex-view HAD CCD		
Total Pixels	811(H) x 508(V)	795(H) x 596(V)	
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)	
Scanning System	2 : 1 Interlace		
Synchronization	Internal / Line lock		
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz	
Horizontal Resolution	Color : 600TV lines, B/W : 700TV lines		
Min. Illumination	Color : 0.1Lux@F1.2 (50IRE), 0.0002Lux (Sens-up, 512x) B/W : 0.01Lux@F1.2 (50IRE), 0.00002Lux (Sens-up, 512x)		
S / N Ratio	52dB (AGC off, Weight on)		
Video Output	CVBS : 1.0 Vp-p / 75Ω composite		
LENS			
Lens Type	Manual / Auto iris (Video / DC)		
Mount Type	C / CS		
OPERATIONAL			
On Screen Display	English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese	
Camera Title	Off / On (Displayed 54 characters)		
Day & Night	Day / Night / Auto (ICR) / External		
Backlight Compensation	Off / On (Area setting)		
Contrast Enhancement	XDR (Off / Low / Mid / High)		
Digital Noise Reduction	Adaptive 3D+2D (Off / Low / Mid / High / User)		
Digital Image Stabilization	Off / On		
Motion Detection	Off / Tracking / Detection		
Privacy Masking	Off / On (12 programmable zones with polygonal masking)		
Sens-up (Frame Integration)	2x ~ 512x		
Gain Control	Off / On		
White Balance	ATW1 / ATW2 / AWC / 3200°K / 5600°K		
Electronic Shutter Speed	1/60 ~ 1/200,000sec		
Digital Zoom	Off / On (1x ~ 16x)		
Reverse	Off / H-Rev / V-Rev / HV-Rev		
Profile	Standard / ITS / Backlight / Day & Night / Gaming / Custom		
Intelligent Video Analytics	Fixed / Moved, Fence (Line, Area)		
PIP	Off / On		
Alarm	1 Out		
Communication	Coaxial control (SPC-300 compatible), RS-485		
Protocol	Coax : CCVC RS-485 : Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, GE		
ENVIRONMENTAL			
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH		
ELECTRICAL			
Input Voltage / Current	Dual (24V AC & 12V DC ±10%)		230V AC ±10%
Power Consumption	Max. 3.0W		Max. 4.1W
MECHANICAL			
Color / Material	Silver / Aluminum, Steel		
Dimensions (WxHxD)	64.0 x 58.0 x 100.0mm (2.52" x 2.28" x 3.94")		64.0 x 58.0 x 129.2mm (2.52" x 2.28" x 5.09")
Weight	305g (0.67 lb)		395g (0.87 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

SCB-3001

Premium Resolution WDR Camera



* Lens not included



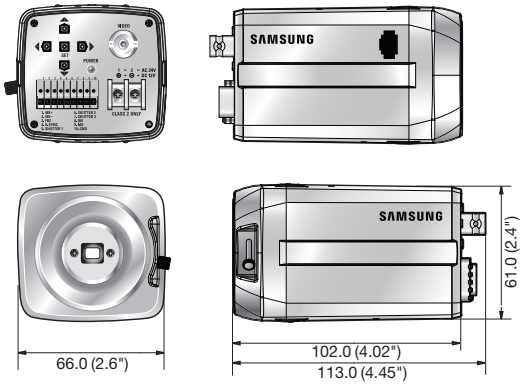


Key Features

- High resolution of 650TV lines (Color), 700TV lines (B/W)
- Min. illumination 0.1Lux@F1.2 (Color), 0.01Lux (B/W)
- WDR, VPS, True Day & Night (ICR), Intelligent video analytics, MD
- SSNRIII, Coax : Pelco-C (Coaxitron),
  RS-485, Dual power, 230V AC (High voltage type)

Dimensions

Unit : mm (inch)



Available Lenses / Accessories (Optional)



SLA-3580DN | SLA-2812DN | SLA-550DV | SLA-612DN | SLA-12240 | SLA-880



SHB-4300H1/4300H2/4300H3 | SHB-4200/4200H | STB-400 use with STH-500 or STH-200 | STB-4150V

Technical Specifications

	SCB-3001N	SCB-3001P	SCB-3001PH
VIDEO			
Imaging Device	1/3" Super HAD CCD II (Double scan)		
Total Pixels	1,028(H) x 508(V)	1,028(H) x 596(V)	
Effective Pixels	976(H) x 494(V)	976(H) x 582(V)	
Scanning System	2 : 1 Interlace		
Synchronization	Internal / Line lock / Extern		
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz	
Horizontal Resolution	Color : 650TV lines, B/W : 700TV lines		
Min. Illumination	Color : 0.1Lux@F1.2 (50IRE), 0.0002Lux (Sens-up, 512x) B/W : 0.01Lux@F1.2 (50IRE), 0.00002Lux (Sens-up, 512x)		
S / N Ratio	52dB (AGC off, Weight on)		
Video Output	CVBS : 1.0 Vp-p / 75Ω composite		
LENS			
Lens Type	Manual / Auto iris (Video / DC)		
Mount Type	C / CS		
OPERATIONAL			
On Screen Display	English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese	
Camera Title	Off / On (Displayed 15 characters)		
Day & Night	Auto (ICR) / External / Color / B/W		
Backlight Compensation	Off / User BLC / HLC / WDR		
Wide Dynamic Range	52dB	54dB	
Contrast Enhancement	SSDR (Off / On)		
Digital Noise Reduction	SSNRIII (Off / On)		
Digital Image Stabilization	Off / On		
Motion Detection	Off / On		
Privacy Masking	Off / On (12 programmable zones with polygonal masking)		
Sens-up (Frame Integration)	2x ~ 512x		
Gain Control	Off / Low / High		
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K ~ 11,000°K)		
Electronic Shutter Speed	1/60 ~ 1/120,000sec	1/50 ~ 1/120,000sec	
Digital Zoom	Off / On (1x ~ 16x)		
Reverse	Off / H-Rev / V-Rev / HV-Rev		
Profile	Basic / Day & Night / Backlight / ITS / Indoor / User		
Intelligent Video Analytics	Fixed / Moved, Fence, Tracking, Counting		
VPS	Off / On		
PIP	Off / On		
Alarm	1 Out		
Communication	Coaxial control (SPC-300 compatible), RS-485		
Protocol	Coax : Pelco-C (Coaxitron) RS-485 : Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon		
ENVIRONMENTAL			
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH		
ELECTRICAL			
Input Voltage / Current	Dual (24V AC & 12V DC ±10%)		230V AC ±10%
Power Consumption	Max. 4.0W		Max. 4.2W
MECHANICAL			
Color / Material	Black, Silver / Aluminum, Steel		
Dimensions (WxHxD)	66.0 x 61.0 x 102.0mm (2.6" x 2.4" x 4.02")		66.0 x 61.0 x 115.0mm (2.6" x 2.4" x 4.53")
Weight	310g (0.68 lb)		540g (1.19 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

SCB-3000

High Resolution WDR Camera



* Lens not included

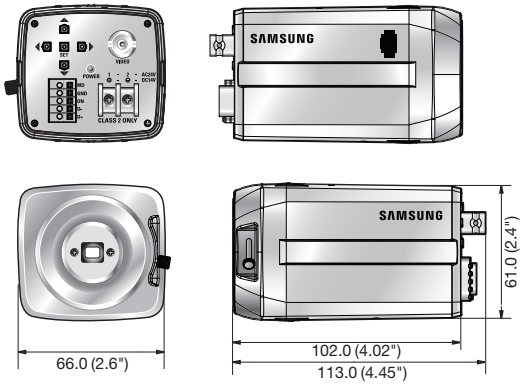
600TVL | 0.3Lux | D&N ICR | WDR 52dB 54dB

Key Features

- High resolution of 600TV lines (Color), 700TV lines (B/W)
- Min. illumination 0.3Lux@F1.2 (Color), 0.01Lux (B/W)
- WDR, VPS, True Day & Night (ICR), Intelligent video analytics, MD
- SSNRIII, Coax : Pelco-C (Coaxitron), RS-485, Dual power, 230V AC (High voltage type)

Dimensions

Unit : mm (inch)



Available Lenses / Accessories (Optional)



SLA-3580DN | SLA-2812DN | SLA-550DV | SLA-612DN | SLA-12240 | SLA-880



SHB-4300H1/4300H2/4300H3 | SHB-4200/4200H | STB-400 | use with | STH-500 | or | STH-200 | STB-4150V

Technical Specifications

	SCB-3000N	SCB-3000P	SCB-3000PH
VIDEO			
Imaging Device	1/3" Super HAD CCD (Double scan)		
Total Pixels	811(H) x 508(V)	795(H) x 596(V)	
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)	
Scanning System	2 : 1 Interlace		
Synchronization	Internal / Line lock / Extern		
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz	
Horizontal Resolution	Color : 600TV lines, B/W : 700TV lines		
Min. Illumination	Color : 0.3Lux@F1.2 (50IRE), 0.0006Lux (Sens-up, 512x) B/W : 0.01Lux@F1.2 (50IRE), 0.00002Lux (Sens-up, 512x)		
S / N Ratio	52dB (AGC off, Weight on)		
Video Output	CVBS : 1.0 Vp-p / 75Ω composite		
LENS			
Lens Type	Manual / Auto iris (Video / DC)		
Mount Type	C / CS		
OPERATIONAL			
On Screen Display	English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese	
Camera Title	Off / On (Displayed 15 characters)		
Day & Night	Auto (ICR) / External / Color / B/W		
Backlight Compensation	Off / User BLC / HLC / WDR		
Wide Dynamic Range	52dB	54dB	
Contrast Enhancement	SSDR (Off / On)		
Digital Noise Reduction	SSNRIII (Off / On)		
Digital Image Stabilization	Off / On		
Motion Detection	Off / On		
Privacy Masking	Off / On (12 programmable zones with polygonal masking)		
Sens-up (Frame Integration)	2x ~ 512x		
Gain Control	Off / Low / High		
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K ~ 11,000°K)		
Electronic Shutter Speed	1/60 ~ 1/120,000sec	1/50 ~ 1/120,000sec	
Digital Zoom	Off / On (1x ~ 16x)		
Reverse	Off / H-Rev / V-Rev / HV-Rev		
Profile	Basic / Day & Night / Backlight / ITS / Indoor / User		
Intelligent Video Analytics	Fixed / Moved, Fence, Tracking, Counting		
VPS	Off / On		
PIP	Off / On		
Alarm	1 Out		
Communication	Coaxial control (SPC-300 compatible), RS-485		
Protocol	Coax : Pelco-C (Coaxitron) RS-485 : Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon		
ENVIRONMENTAL			
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH		
ELECTRICAL			
Input Voltage / Current	Dual (24V AC & 12V DC ±10%)		230V AC ±10%
Power Consumption	Max. 4.0W		Max. 4.2W
MECHANICAL			
Color / Material	Black, Silver / Aluminum, Steel		
Dimensions (WxHxD)	66.0 x 61.0 x 102.0mm (2.6" x 2.4" x 4.02")		66.0 x 61.0 x 115.0mm (2.6" x 2.4" x 4.53")
Weight	310g (0.68 lb)		540g (1.19 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

SCB-2004

Premium Resolution Camera



* Lens not included

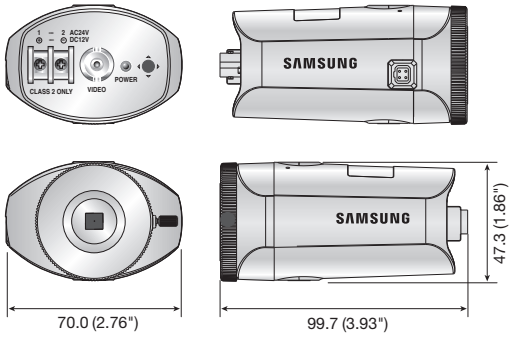
700TVL | 0.1Lux | E-D&N

Key Features

- High resolution of 700TV lines (Color)
- Min. illumination 0.1Lux@F1.2 (Color)
- MD, Defog, SSNRIII
- Coax : Pelco-C (Coaxitron), Dual power, 12V DC

Dimensions

Unit : mm (inch)



Available Lenses / Accessories (Optional)



Technical Specifications

	SCB-2004N	SCB-2004ND	SCB-2004P	SCB-2004PD
VIDEO				
Imaging Device	1/3" Super HAD CCD II			
Total Pixels	1,020(H) x 508(V)		1,020(H) x 596(V)	
Effective Pixels	976(H) x 494(V)		976(H) x 582(V)	
Scanning System	2 : 1 Interlace			
Synchronization	Internal / Line lock	Internal	Internal / Line lock	Internal
Frequency	H : 15.734KHz / V : 59.94Hz		H : 15.625KHz / V : 50Hz	
Horizontal Resolution	Color : 650TV lines (Sharp mode : 700TV lines)			
Min. Illumination	0.1Lux@F1.2 (50IRE), 0.002Lux (Sens-up, 512x)			
S / N Ratio	52dB (AGC off, Weight on)			
Video Output	CVBS : 1.0 Vp-p / 75Ω composite			
LENS				
Lens Type	Manual / Auto iris (DC)			
Mount Type	C / CS			
OPERATIONAL				
On Screen Display	English, Japanese, Spanish, French, Portuguese, Korean		English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese	
Camera Title	Off / On (Displayed 15 characters)			
Day & Night	Auto (Electrical) / Color / B/W			
Backlight Compensation	Off / BLC / HLC			
Contrast Enhancement	SSDR (Off / On)			
Digital Noise Reduction	SSNRIII (Off / On)			
Defog	Off / Auto / Manual			
Motion Detection	Off / On			
Privacy Masking	Off / On (8 programmable zones)			
Sens-up (Frame Integration)	2x ~ 512x			
Gain Control	Off / Low / Middle / High			
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,800°K ~ 10,500°K)			
Electronic Shutter Speed	1/60 ~ 1/120,000sec		1/50 ~ 1/120,000sec	
Reverse	H-Rev (Off / On)			
Communication	Coaxial control (SPC-300 compatible)			
Protocol	Coax : Pelco-C (Coaxitron)			
ENVIRONMENTAL				
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH			
ELECTRICAL				
Input Voltage / Current	Dual (24V AC & 12V DC ±10%)	12V DC ±10%	Dual (24V AC & 12V DC ±10%)	12V DC ±10%
Power Consumption	Max. 2.2W (TBD)	Max. 1.3W (TBD)	Max. 2.2W (TBD)	Max. 1.3W (TBD)
MECHANICAL				
Color / Material	Ivory / Plastic			
Dimensions (WxHxD)	70.0 x 47.3 x 99.7mm (2.76" x 1.86" x 3.93")			
Weight	120g (0.26 lb)	100g (0.22 lb)	120g (0.26 lb)	100g (0.22 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

SCB-2002

Premium Resolution Camera



* Lens not included

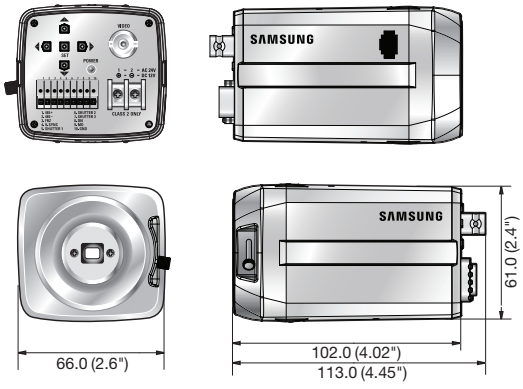
650TVL | 0.1 Lux | D&N ICR

Key Features

- High resolution of 650TV lines (Color), 700TV lines (B/W)
- Min. illumination 0.1Lux@F1.2 (Color), 0.01Lux (B/W)
- True Day & Night (ICR), MD
- SSNRIII, Coax : Pelco-C (Coaxitron),
  RS-485, Dual power, 230V AC (High voltage type)

Dimensions

Unit : mm (inch)



Available Lenses / Accessories (Optional)



Technical Specifications

	SCB-2002N	SCB-2002P	SCB-2002PH
VIDEO			
Imaging Device	1/3" Super HAD CCD II		
Total Pixels	1,028(H) x 508(V)	1,028(H) x 596(V)	
Effective Pixels	976(H) x 494(V)	976(H) x 582(V)	
Scanning System	2 : 1 Interlace		
Synchronization	Internal / Line lock / Extern		
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz	
Horizontal Resolution	Color : 650TV lines, B/W : 700TV lines		
Min. Illumination	Color : 0.1Lux@F1.2 (50IRE), 0.0002Lux (Sens-up, 512x) B/W : 0.01Lux@F1.2 (50IRE), 0.00002Lux (Sens-up, 512x)		
S / N Ratio	52dB (AGC off, Weight on)		
Video Output	CVBS : 1.0 Vp-p / 75Ω composite		
LENS			
Lens Type	Manual / Auto iris (Video / DC)		
Mount Type	C / CS		
OPERATIONAL			
On Screen Display	English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese	
Camera Title	Off / On (Displayed 15 characters)		
Day & Night	Auto (ICR) / External / Color / B/W		
Backlight Compensation	Off / User BLC / HLC		
Contrast Enhancement	SSDR (Off / On)		
Digital Noise Reduction	SSNRIII (Off / On)		
Digital Image Stabilization	Off / On		
Motion Detection	Off / On		
Privacy Masking	Off / On (12 programmable zones with polygonal masking)		
Sens-up (Frame Integration)	2x ~ 512x		
Gain Control	Off / Low / High		
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K ~ 11,000°K)		
Electronic Shutter Speed	1/60 ~ 1/120,000sec	1/50 ~ 1/120,000sec	
Digital Zoom	Off / On (1x ~ 16x)		
Reverse	Off / H-Rev / V-Rev / HV-Rev		
Profile	Basic / Day & Night / Backlight / ITS / Indoor / User		
PIP	Off / On		
Alarm	1 Out		
Communication	Coaxial control (SPC-300 compatible), RS-485		
Protocol	Coax : Pelco-C (Coaxitron) RS-485 : Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, GE, AD		
ENVIRONMENTAL			
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH		
ELECTRICAL			
Input Voltage / Current	Dual (24V AC & 12V DC ±10%)		230V AC ±10%
Power Consumption	Max. 4.2W		Max. 4.5W
MECHANICAL			
Color / Material	Black, Silver / Aluminum, Steel		
Dimensions (WxHxD)	66.0 x 61.0 x 102.0mm (2.6" x 2.4" x 4.02")		66.0 x 61.0 x 115.0mm (2.6" x 2.4" x 4.53")
Weight	310g (0.68 lb)		540g (1.19 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

SAMSUNG TECHWIN

SCB-2001

High Resolution Camera



* Lens not included

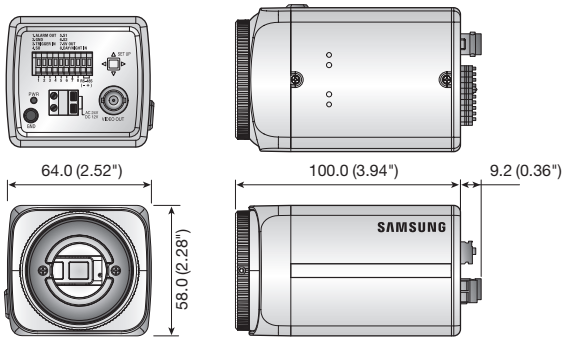
600TVL | 0.05Lux | D&N ICR

Key Features

- High resolution of 600TV lines (Color), 700TV lines (B/W)
- Min. illumination 0.05Lux@F1.2 (Color), 0.01Lux (B/W)
- True Day & Night (ICR), Intelligent video analytics, MD, DNR
- Coax : CCVC, RS-485, Dual power, 230V AC (High voltage type)

Dimensions

Unit : mm (inch)



Available Lenses / Accessories (Optional)



SLA-3580DN | SLA-2812DN | SLA-550DV | SLA-612DN | SLA-12240 | SLA-880



SHB-4300H1/4300H2/4300H3 | SHB-4200/4200H | STB-400 | use with | STH-500 | or | STH-200 | STB-4150V

Technical Specifications

	SCB-2001N	SCB-2001P	SCB-2001PH
VIDEO			
Imaging Device	1/3" Super HAD CCD II		
Total Pixels	811(H) x 508(V)	795(H) x 596(V)	
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)	
Scanning System	2 : 1 Interlace		
Synchronization	Internal / Line lock		
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz	
Horizontal Resolution	Color : 600TV lines, B/W : 700TV lines		
Min. Illumination	Color : 0.05Lux@F1.2 (50IRE), 0.0001Lux (Sens-up, 512x) B/W : 0.01Lux@F1.2 (50IRE), 0.00002Lux (Sens-up, 512x)		
S / N Ratio	52dB (AGC off, Weight on)		
Video Output	CVBS : 1.0 Vp-p / 75Ω composite		
LENS			
Lens Type	Manual / Auto iris (Video / DC)		
Mount Type	C / CS		
OPERATIONAL			
On Screen Display	English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese	
Camera Title	Off / On (Displayed 54 characters)		
Day & Night	Day / Night / Auto (ICR) / External		
Backlight Compensation	Off / On (Area setting)		
Contrast Enhancement	XDR (Off / Low / Mid / High)		
Digital Noise Reduction	Adaptive 3D+2D (Off / Low / Mid / High / User)		
Digital Image Stabilization	Off / On		
Motion Detection	Off / Tracking / Detection		
Privacy Masking	Off / On (12 programmable zones with polygonal masking)		
Sens-up (Frame Integration)	2x ~ 512x		
Gain Control	Off / On		
White Balance	ATW1 / ATW2 / AWC (Manual) / 3200°K / 5600°K		
Electronic Shutter Speed	1/60 ~ 1/200,000sec	1/50 ~ 1/200,000sec	
Digital Zoom	Off / On (1x ~ 16x)		
Reverse	Off / H-Rev / V-Rev / HV-Rev		
Profile	Standard / ITS / Backlight / Day & Night / Gaming / Custom		
Intelligent Video Analytics	Fixed / Moved, Fence (Line, Area)		
PIP	Off / On		
Alarm	1 Out		
Communication	Coaxial control (SPC-300 compatible), RS-485		
Protocol	Coax : CCVC RS-485 : Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, GE		
ENVIRONMENTAL			
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH		
ELECTRICAL			
Input Voltage / Current	Dual (24V AC & 12V DC ±10%)		230V AC ±10%
Power Consumption	Max. 3.0W		Max. 4.1W
MECHANICAL			
Color / Material	Silver / Aluminum, Steel		
Dimensions (WxHxD)	64.0 x 58.0 x 100.0mm (2.52" x 2.28" x 3.94")		64.0 x 58.0 x 129.2mm (2.52" x 2.28" x 5.09")
Weight	305g (0.67 lb)		395g (0.87 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

SCB-2000

High Resolution Camera



* Lens not included

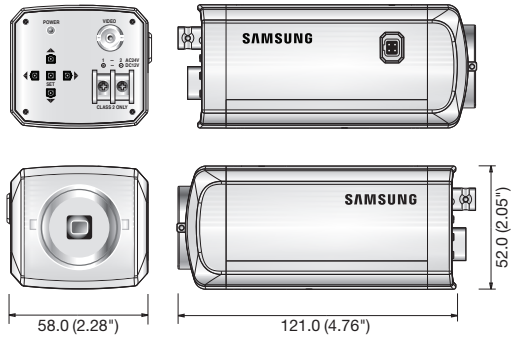
600TVL | 0.05Lux | E-D&N

Key Features

- High resolution of 600TV lines
- Min. illumination 0.05Lux@F1.2 (Color)
- MD, SSNRIII, Coax : Pelco-C (Coaxitron)
- Dual power, 12V DC, 230V AC (High voltage type)

Dimensions

Unit : mm (inch)



Available Lenses / Accessories (Optional)



Technical Specifications

	SCB-2000N	SCB-2000ND	SCB-2000P	SCB-2000PD	SCB-2000PH
VIDEO					
Imaging Device	1/3" Super HAD CCD II				
Total Pixels	811(H) x 508(V)		795(H) x 596(V)		
Effective Pixels	768(H) x 494(V)		752(H) x 582(V)		
Scanning System	2 : 1 Interlace				
Synchronization	Internal / Line lock	Internal	Internal / Line lock	Internal	Internal / Line lock
Frequency	H : 15.734KHz / V : 59.94Hz		H : 15.625KHz / V : 50Hz		
Horizontal Resolution	Color : 600TV lines				
Min. Illumination	0.05Lux / 0.0001Lux (F1.2, Sens-up 512x)				
S / N Ratio	52dB (AGC off, Weight on)				
Video Output	CVBS : 1.0 Vp-p / 75Ω composite				
LENS					
Lens Type	Manual / Auto iris (Video / DC)				
Mount Type	C / CS				
OPERATIONAL					
On Screen Display	English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean		English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese		
Camera Title	Off / On (Displayed 15 characters)				
Day & Night	Auto (Electrical) / Color / B/W				
Backlight Compensation	Off / BLC / HLC				
Contrast Enhancement	SSDR (Off / On)				
Digital Noise Reduction	SSNRIII (Off / On)				
Digital Image Stabilization	Off / On				
Motion Detection	Off / On				
Privacy Masking	Off / On (12 programmable zones)				
Sens-up (Frame Integration)	2x ~ 512x				
Gain Control	Off / Low / High				
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K ~ 11,000°K)				
Electronic Shutter Speed	1/60 ~ 1/120,000sec		1/50 ~ 1/120,000sec		
Digital Zoom	Off / On (1x ~ 16x)				
Reverse	H-Rev / V-Rev				
Communication	Coaxial control (SPC-300 compatible)				
Protocol	Coax : Pelco-C (Coaxitron)				
ENVIRONMENTAL					
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH				
ELECTRICAL					
Input Voltage / Current	Dual (24V AC & 12V DC ±10%)	12V DC ±10%	Dual (24V AC & 12V DC ±10%)	12V DC ±10%	230V AC ±10%
Power Consumption	Max. 3.5W	Max. 2.5W	Max. 3.5W	Max. 2.5W	Max. 4.0W
MECHANICAL					
Color / Material	Black & Dark gray / Aluminum, Steel				
Dimensions (WxHxD)	58.0 x 52.0 x 121.0mm (2.28" x 2.05" x 4.76")				
Weight	310g (0.68 lb)	290g (0.64 lb)	310g (0.68 lb)	290g (0.64 lb)	510g (1.12 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

SCB-1001

High Resolution Camera



* Lens not included

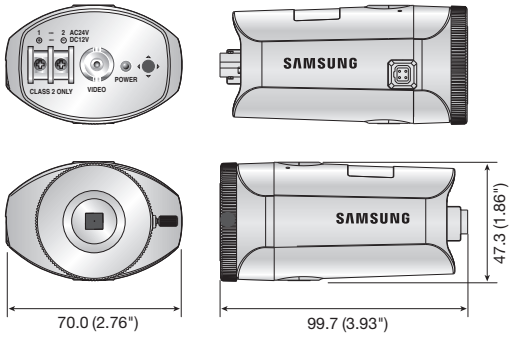
600TVL | 0.1 Lux | E-D&N

Key Features

- High resolution of 600TV lines (Color)
- Min. Illumination 0.1Lux@F1.2 (Color)
- SSNR, Defog, Coax : Pelco-C (Coaxitron)
- Dual power, 12V DC

Dimensions

Unit : mm (inch)



Available Lenses / Accessories (Optional)



Technical Specifications

	SCB-1001P	SCB-1001PD
VIDEO		
Imaging Device	1/3" Super HAD CCD II	
Total Pixels	795(H) x 596(V)	
Effective Pixels	752(H) x 582(V)	
Scanning System	2 : 1 Interlace	
Synchronization	Internal / Line lock	Internal
Frequency	H : 15.625KHz / V : 50Hz	
Horizontal Resolution	Color : 600TV lines	
Min. Illumination	0.1Lux@F1.2 (50IRE)	
S / N Ratio	50dB (AGC off, Weight on)	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Lens Type	Manual / Auto iris (DC)	
Mount Type	C / CS	
OPERATIONAL		
On Screen Display	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese	
Camera Title	Off / On (Displayed 15 characters)	
Day & Night	Auto (Electrical) / Color / B/W	
Backlight Compensation	Off / BLC / HLC	
Contrast Enhancement	SSDR (Off / On)	
Digital Noise Reduction	2D DNR (Off / On)	
Privacy Masking	Off / On (4 programmable zones)	
Gain Control	Off / Low / High	
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K ~ 11,000°K)	
Electronic Shutter Speed	1/50 ~ 1/120,000sec	
Reverse	H-Rev	
Communication	Coaxial control (SPC-300 compatible)	
Protocol	Coax : Pelco-C (Coaxitron)	
ENVIRONMENTAL		
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH	
ELECTRICAL		
Input Voltage / Current	Dual (24V AC & 12V DC ±10%)	12V DC ±10%
Power Consumption	Max. 2.3W	Max. 1.2W
MECHANICAL		
Color / Material	Black / Plastic	
Dimensions (WxHxD)	70.0 x 47.3 x 99.7mm (2.76" x 1.86" x 3.93")	
Weight	120g (0.26 lb)	100g (0.22 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

SAMSUNG TECHWIN

SCB-3020

High Resolution WDR ATM Camera





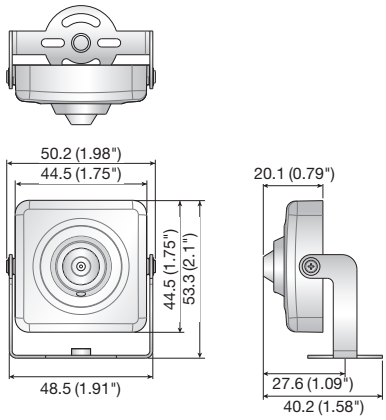


Key Features

- High resolution of 600TV lines
- Min. illumination 0.45Lux@F2.0 (Color)
- Built-in 3.7mm fixed lens
- WDR, VPS, Intelligent video analytics, MD, DNR
- Coax : CCVC, 12V DC

Dimensions

Unit : mm (inch)



Technical Specifications

	SCB-3020N	SCB-3020P
VIDEO		
Imaging Device	1/3" Super HAD CCD (Double scan)	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Scanning System	2 : 1 Interlace	
Synchronization	Internal / Line lock (L-Pulse input)	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 600TV lines	
Min. Illumination	Color : 0.45Lux@F2.0 (50IRE, Sens-up 2x)	
S / N Ratio	52dB (AGC off, Weight on)	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	3.7mm	
Max. Aperture Ratio	F2.0	
Angular Field of View	D : 80.81° / H : 64.65° / V : 48.49°	
Min. Object Distance	0.4m (1.31ft)	
OPERATIONAL		
On Screen Display	Multi-language support English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean	Multi-language support English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese
Camera Title	Off / On (Displayed 54 characters)	
Day & Night	Day / Night / Auto (Electrical)	
Backlight Compensation	Off / On	
Wide Dynamic Range	52dB	54dB
Contrast Enhancement	Off / Low / Mid / High	
Digital Noise Reduction	Adaptive 3D+2D (Off / Low / Mid / High / User)	
Digital Image Stabilization	Off / On	
Motion Detection	Off / On	
Privacy Masking	Off / On (12 programmable zones, polygonal type)	
Sens-up (Frame Integration)	2x ~ 512x	
Gain Control	Off / On	
White Balance	ATW1 / ATW2 / AWC (Manual) / 3200°K / 5600°K	
Electronic Shutter Speed	1/60 ~ 1/200,000sec	1/50 ~ 1/200,000sec
Digital Zoom	Off / On (1x ~ 16x)	
Reverse	Off / H / V / H/V	
Profile	Standard / ITS / Backlight / Day & Night / Gaming / Custom	
VPS	Off / On	
Intelligent Video Analytics	Fixed / Moved, Fence (Line, Area)	
PIP	Off / On	
Alarm	1 Output	
Communication	Coaxial control (SPC-300 compatible)	
Protocol	Coax : CCVC	
ENVIRONMENTAL		
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH	
ELECTRICAL		
Input Voltage / Current	12V DC ±10%	
Power Consumption	Max. 2.0W	
MECHANICAL		
Color / Material	Black / Aluminum	
Dimensions (WxHxD)	50.2 x 53.3 x 40.2mm (1.98" x 2.1" x 1.58")	
Weight	105g (0.23 lb)	

* The latest product information / specification can be found at www.samsungsecurity.com

SAMSUNG TECHWIN

SCZ-3430

High Resolution 43x WDR Zoom Camera



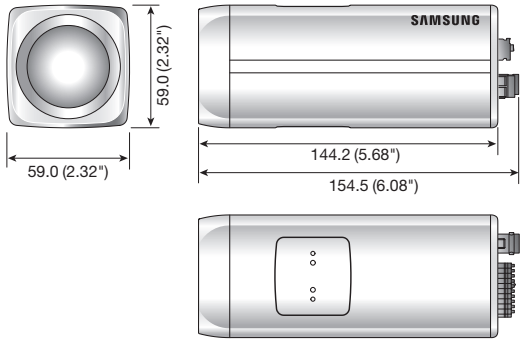
600TVL | 0.7 Lux | 43x A/F Lens | D&N ICR | WDR 52dB 54dB

Key Features

- High resolution of 600TV lines (Color), 700TV lines(B/W)
- Min. illumination 0.7Lux@F1.65 (Color), 0.07Lux (B/W)
- Powerful 43x zoom (3.2 ~ 138.5mm), Digital 16x
- WDR, VPS, True Day & Night (ICR), Intelligent video analytics, MD, DNR
- Coax : CCVC, RS-485, Dual power, 12V DC

Dimensions

Unit : mm (inch)



Accessories (Optional)


SHB-4300H1/4300H2/4300H3


SHB-4200/4200H


STB-400

use with


STH-500

or


STH-200


STB-4150V

Technical Specifications

	SCZ-3430N	SCZ-3430ND	SCZ-3430P	SCZ-3430PD
VIDEO				
Imaging Device	1/4" Ex-view HAD CCD (Double scan)			
Total Pixels	811(H) x 508(V)		795(H) x 596(V)	
Effective Pixels	768(H) x 494(V)		752(H) x 582(V)	
Scanning System	2 : 1 Interlace			
Synchronization	Internal / Line lock	Internal	Internal / Line lock	Internal
Frequency	H : 15.734KHz / V : 59.94Hz		H : 15.625KHz / V : 50Hz	
Horizontal Resolution	Color : 600TV lines, B/W : 700TV lines			
Min. Illumination	Color : 0.7Lux@F1.65 (50IRE), 0.001Lux (Sens-up, 512x) : SCZ-3430 B/W : 0.07Lux@F1.65 (50IRE), 0.0002Lux (Sens-up, 512x) : SCZ-3430			
S / N Ratio	52dB (AGC off, Weight on)			
Video Output	CVBS : 1.0 Vp-p / 75Ω composite			
LENS				
Focal Length (Zoom Ratio)	3.2 ~ 138.5mm (Optical 43x)			
Max. Aperture Ratio	1 : 1.65(Wide) ~ 3.7(Tele)			
Angular Field of View	H : 61.22°(Wide) ~ 1.47°(Tele) / V : 47.16°(Wide) ~ 1.1°(Tele)			
Min. Object Distance	1m (3.28ft)			
Focus Control	Auto / Manual / One AF			
Zoom Movement Speed	3.2sec (Wide to tele)			
OPERATIONAL				
On Screen Display	English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean		English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese	
Camera Title	Off / On (Displayed 54 characters)			
Day & Night	Day / Night /Auto (ICR) / External			
Backlight Compensation	Off / On (Area setting)			
Wide Dynamic Range	52dB		54dB	
Contrast Enhancement	XDR (Off / Low / Mid / High)			
Digital Noise Reduction	Adaptive 3D+2D (Off / Low / Mid / High / User)			
Digital Image Stabilization	Off / On			
Motion Detection	Off / Tracking / Detection			
Privacy Masking	Off / On (12 programmable zones with polygonal masking)			
Sens-up (Frame Integration)	2x ~ 512x			
Gain Control	Off / On			
White Balance	ATW1 / ATW2 / AWC / 3200°K / 5600°K			
Electronic Shutter Speed	1/60 ~ 1/120,000sec		1/50 ~ 1/120,000sec	
Digital Zoom	Off / On (1x ~ 16x)			
Reverse	Off / H-Rev / V-Rev / HV-Rev			
Profile	Standard / ITS / Backlight / Day & Night / Gaming / Custom			
VPS	Off / On			
Intelligent Video Analytics	Fixed / Moved			
PIP	Off / On			
Schedule	Day / Time			
Alarm	1 Out			
Communication	Coaxial control (SPC-300 compatible), RS-485			
Protocol	Coax : CCVC RS-485 : Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon			
ENVIRONMENTAL				
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH			
ELECTRICAL				
Input Voltage / Current	Dual (24V AC & 12V DC ±10%)	12V DC ±10%	Dual (24V AC & 12V DC ±10%)	12V DC ±10%
Power Consumption	Max. 5.6W	Max. 4.2W	Max. 5.6W	Max. 4.2W
MECHANICAL				
Color / Material	Silver / Aluminum, Steel			
Dimensions (WxHxD)	59.0 x 59.0 x 144.2mm (2.32" x 2.32" x 5.68")	59.0 x 59.0 x 113.9mm (2.32" x 2.32" x 4.48")	59.0 x 59.0 x 144.2mm (2.32" x 2.32" x 5.68")	59.0 x 59.0 x 113.9mm (2.32" x 2.32" x 4.48")
Weight	564g (1.24 lb)	421g (0.93 lb)	564g (1.24 lb)	421g (0.93 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

SCZ-3370/2370

High Resolution 37x Zoom Camera



SCZ-3370

SCZ-2370

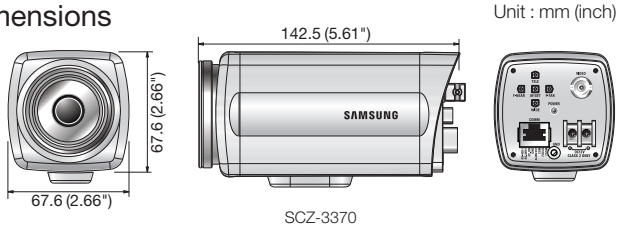


Key Features

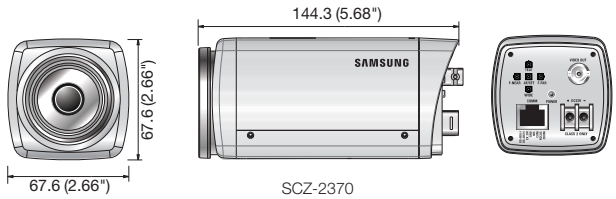
- High resolution of 600TV lines (Color), 700TV lines (B/W)
- Min. illumination 0.7Lux@F1.6 (Color), 0.07Lux (B/W) : SCZ-3370
  0.2Lux@F1.6 (Color), 0.02Lux (B/W) : SCZ-2370
- Powerful 37x zoom (3.5 ~ 129.5mm), Digital 16x
- WDR, VPS, Intelligent video analytics : SCZ-3370
- True Day & Night (ICR), SSNRIII
- Coax : Pelco-C (Coaxitron), RS-485, Dual power, 12V DC

Dimensions

Unit : mm (inch)



SCZ-3370



SCZ-2370

Accessories (Optional)



SHB-4300H1/4300H2/4300H3



SHB-4200/4200H



STB-400

use with



STH-500

or



STH-200



STB-4150V

Technical Specifications

	SCZ-3370N/2370N	SCZ-3370ND/2370ND	SCZ-3370P/2370P	SCZ-3370PD/2370PD
VIDEO				
Imaging Device	1/4" Ex-view HAD CCD (Double scan) : SCZ-3370, 1/4" Super HAD CCD II : SCZ-2370			
Total Pixels	811(H) x 508(V)		795(H) x 596(V)	
Effective Pixels	768(H) x 494(V)		752(H) x 582(V)	
Scanning System	2 : 1 Interlace			
Synchronization	Internal / Line lock	Internal	Internal / Line lock	Internal
Frequency	H : 15.734KHz / V : 59.94Hz		H : 15.625KHz / V : 50Hz	
Horizontal Resolution	Color : 600TV lines, B/W : 700TV lines			
Min. Illumination	Color : 0.7Lux@F1.6 (50IRE), 0.001Lux (Sens-up, 512x) : SCZ-3370 0.2Lux@F1.6 (50IRE), 0.0004Lux (Sens-up, 512x) : SCZ-2370 B/W : 0.07Lux@F1.6 (50IRE), 0.0001Lux (Sens-up, 512x) : SCZ-3370 0.02Lux@F1.6 (50IRE), 0.00004Lux (Sens-up, 512x) : SCZ-2370			
S / N Ratio	52dB (AGC off, Weight on)			
Video Output	CVBS : 1.0 Vp-p / 75Ω composite			
LENS				
Focal Length (Zoom Ratio)	3.5 ~ 129.5mm (Optical 37x)			
Max. Aperture Ratio	1 : 1.72(Wide) ~ 3.94(Tele) : SCZ-3370, 1.6(Wide) ~ 3.9(Tele) : SCZ-2370			
Angular Field of View	H : 55.5°(Wide) ~ 1.59°(Tele) / V : 42.5°(Wide) ~ 1.19°(Tele)			
Min. Object Distance	1.5m (4.92ft)			
Focus Control	Auto / Manual / One shot			
Zoom Movement Speed	2.8sec (Wide to tele)			
OPERATIONAL				
On Screen Display	English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean		English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese	
Camera Title	Off / On (Displayed 15 characters)			
Day & Night	Auto (ICR) / External / Color / B/W			
Backlight Compensation	Off / HLC / BLC / WDR : SCZ-3370, Off / HLC / BLC : SCZ-2370			
Wide Dynamic Range	52dB : SCZ-3370		54dB : SCZ-3370	
Contrast Enhancement	SSDR (Off / On)			
Digital Noise Reduction	SSNRIII (Off/ Low / Medium / High)			
Digital Image Stabilization	Off / On			
Motion Detection	Off / On			
Privacy Masking	Off / On (12 programmable zones)			
Sens-up (Frame Integration)	2x ~ 512x			
Gain Control	Off / Low / Medium / High / Manual			
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K ~ 11,000°K)			
Electronic Shutter Speed	1/60 ~ 1/120,000sec		1/50 ~ 1/120,000sec	
Digital Zoom	Off / On (1x ~ 16x)			
Flip / Mirror (Reverse)	Off / H-Rev / V-Rev / HV-Rev : SCZ-3370, H-Rev / V-Rev : SCZ-2370			
Profile	Basic / Day & Night / Backlight / ITS / Indoor / User : SCZ-3370			
VPS	Off / On : SCZ-3370			
Intelligent Video Analytics	Fixed / Moved, Tracking, Fence, Counting : SCZ-3370			
Alarm	1 Out : SCZ-3370			
Communication	Coaxial control (SPC-300 compatible), RS-485			
Protocol	Coax : Pelco-C (Coaxitron) RS-485 : Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, AD			
ENVIRONMENTAL				
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH			
ELECTRICAL				
Input Voltage / Current	Dual (24V AC & 12V DC ±10%)	12V DC ±10%	Dual (24V AC & 12V DC ±10%)	12V DC ±10%
Power Consumption	Max. 6.1W : SCZ-3370 Max. 4.8W : SCZ-2370	Max. 4.7W : SCZ-3370 Max. 4.8W : SCZ-2370	Max. 6.1W : SCZ-3370 Max. 4.8W : SCZ-2370	Max. 4.7W : SCZ-3370 Max. 4.8W : SCZ-2370
MECHANICAL				
Color / Material	Black, Silver / Aluminum : SCZ -3370, Black, Silver / Plastic, Steel : SCZ-2370			
Dimensions (WxHxD)	67.6 x 67.6 x 142.5mm (2.66" x 2.66" x 5.61") : SCZ-3370N	67.6 x 67.6 x 118.5mm (2.66" x 2.66" x 4.67") : SCZ-3370ND	67.6 x 67.6 x 142.5mm (2.66" x 2.66" x 5.61") : SCZ-3370P	67.6 x 67.6 x 118.5mm (2.66" x 2.66" x 4.67") : SCZ-3370PD
	67.6 x 67.6 x 144.3mm (2.66" x 2.66" x 5.68") : SCZ-2370N	67.6 x 67.6 x 122.3mm (2.66" x 2.66" x 4.81") : SCZ-2370ND	67.6 x 67.6 x 144.3mm (2.66" x 2.66" x 5.68") : SCZ-2370P	67.6 x 67.6 x 122.3mm (2.66" x 2.66" x 4.81") : SCZ-2370PD
Weight	500g (1.1 lb) : SCZ-3370N	410g (0.9 lb) : SCZ-3370ND	500g (1.1 lb) : SCZ-3370P	410g (0.9 lb) : SCZ-3370PD
	520g (1.15 lb) : SCZ-2370N	415g (0.91 lb) : SCZ-2370ND	520g (1.15 lb) : SCZ-2370P	415g (0.91 lb) : SCZ-2370PD

* The latest product information / specification can be found at www.samsungsecurity.com

SAMSUNG TECHWIN

SCZ-2250

High Resolution 25x Zoom Camera



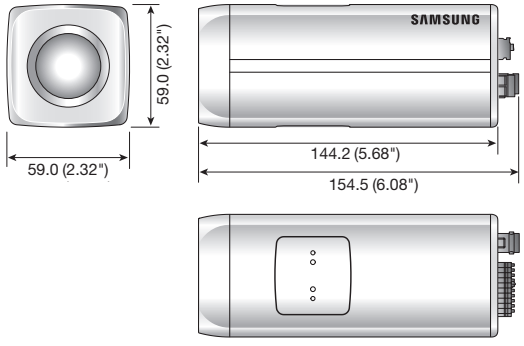
600TVL | 0.2Lux | 25x A/F Lens | D&N ICR

Key Features

- High resolution of 600TV lines (Color), 700TV lines (B/W)
- Min. illumination 0.2Lux@F1.65 (Color), 0.02Lux (B/W)
- Powerful 25x zoom (3.66 ~ 91.36mm), Digital 16x
- True Day & Night (ICR), Intelligent video analytics, MD, DNR
- Coax : CCVC, RS-485, Dual power, 12V DC

Dimensions

Unit : mm (inch)



Accessories (Optional)


SHB-4300H1/4300H2/4300H3


SHB-4200/4200H


STB-400

use with


STH-500

or


STH-200


STB-4150V

Technical Specifications

	SCZ-2250N	SCZ-2250ND	SCZ-2250P	SCZ-2250PD
VIDEO				
Imaging Device	1/4" Super HAD CCD II			
Total Pixels	811(H) x 508(V)		795(H) x 596(V)	
Effective Pixels	768(H) x 494(V)		752(H) x 582(V)	
Scanning System	2 : 1 Interlace			
Synchronization	Internal / Line lock	Internal	Internal / Line lock	Internal
Frequency	H : 15.734KHz / V : 59.94Hz		H : 15.625KHz / V : 50Hz	
Horizontal Resolution	Color : 600TV lines, B/W : 700TV lines			
Min. Illumination	Color : 0.2Lux@F1.65 (50IRE), 0.0004Lux (Sens-up, 512x) B/W : 0.02Lux@F1.65 (50IRE), 0.00004Lux (Sens-up, 512x)			
S / N Ratio	52dB (AGC off, Weight on)			
Video Output	CVBS : 1.0 Vp-p / 75Ω composite			
LENS				
Focal Length (Zoom Ratio)	3.66 ~ 91.36mm (Optical 25x)			
Max. Aperture Ratio	1 : 1.65(Wide) ~ 3.0(Tele)			
Angular Field of View	H : 54.95°(Wide) ~ 2.24°(Tele) / V : 41.83°(Wide) ~ 1.68°(Tele)			
Min. Object Distance	1m (3.28ft)			
Focus Control	Auto / Manual / One AF			
Zoom Movement Speed	2.9sec (Wide to tele)			
OPERATIONAL				
On Screen Display	English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean		English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese	
Camera Title	Off / On (Displayed 54 characters)			
Day & Night	Day / Night / Auto (ICR) / External			
Backlight Compensation	Off / On (Area setting)			
Contrast Enhancement	XDR (Off / Low / Mid / High)			
Digital Noise Reduction	Adaptive 3D+2D (Off / Low / Mid / High / User)			
Digital Image Stabilization	Off / On			
Motion Detection	Off / Tracking / Detection			
Privacy Masking	Off / On (12 programmable zones with polygonal masking)			
Sens-up (Frame Integration)	2x ~ 512x			
Gain Control	Off / On			
White Balance	ATW1 / ATW2 / AWC / 3200°K / 5600°K			
Electronic Shutter Speed	1/60 ~ 1/120,000sec		1/50 ~ 1/120,000sec	
Digital Zoom	Off / On (1x ~ 16x)			
Reverse	Off / H-Rev / V-Rev / HV-Rev			
Profile	Standard / ITS / Backlight / Day & Night / Gaming / Custom			
Intelligent Video Analytics	Fixed / Moved			
PIP	Off / On			
Schedule	Day / Time			
Alarm	1 Out			
Communication	Coaxial control (SPC-300 compatible), RS-485			
Protocol	Coax : CCVC RS-485 : Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon			
ENVIRONMENTAL				
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH			
ELECTRICAL				
Input Voltage / Current	Dual (24V AC & 12V DC ±10%)	12V DC ±10%	Dual (24V AC & 12V DC ±10%)	12V DC ±10%
Power Consumption	Max. 5.6W	Max. 4.2W	Max. 5.6W	Max. 4.2W
MECHANICAL				
Color / Material	Silver / Aluminum, Steel			
Dimensions (WxHxD)	59.0 x 59.0 x 144.2mm (2.32" x 2.32" x 5.68")	59.0 x 59.0 x 113.9mm (2.32" x 2.32" x 4.48")	59.0 x 59.0 x 144.2mm (2.32" x 2.32" x 5.68")	59.0 x 59.0 x 113.9mm (2.32" x 2.32" x 4.48")
Weight	564g (1.24 lb)	421g (0.93 lb)	564g (1.24 lb)	421g (0.93 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

SCO-2080

High Resolution Weatherproof Camera



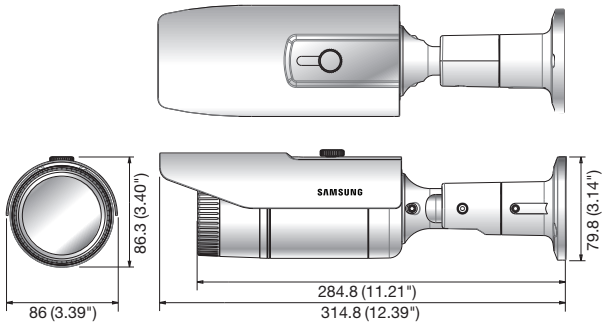
600TVL | 0.15Lux | 3.6x V/F Lens | D&N ICR

Key Features

- High resolution of 600TV lines (Color), 700TV lines (B/W)
- Min. illumination 0.15Lux@ F1.2 (Color), 0.001Lux (B/W)
- 3.6x varifocal lens (2.8 ~ 10mm)
- True Day & Night (ICR), MD, SSNRIII
- IP66, Coax : Pelco-C (Coaxitron), RS-485, Dual power

Dimensions

Unit : mm (inch)



Technical Specifications

	SCO-2080N	SCO-2080P
VIDEO		
Imaging Device	1/3" Super HAD CCD II	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Scanning System	2 : 1 Interlace	
Synchronization	Internal / Line lock	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 600TV lines, B/W : 700TV lines	
Min. Illumination	Color : 0.15Lux@F1.2 (50IRE), 0.0003Lux (Sens-up, 512x) B/W : 0.001Lux@F1.2 (50IRE), 0.000002Lux (Sens-up 512x)	
S / N Ratio	52dB (AGC off, Weight on)	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	2.8 ~ 10mm (3.6x)	
Max. Aperture Ratio	1 : 1.2(Wide) ~ 2.8(Tele)	
Angular Field of View	H : 94.4°(Wide) ~ 28°(Tele) / V : 69.2°(Wide) ~ 21°(Tele)	
Min. Object Distance	0.2m (0.66ft)	
Focus Control	Manual	
Lens Type	DC auto iris	
OPERATIONAL		
On Screen Display	English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese
Camera Title	Off / On (Displayed 15 characters)	
Day & Night	Auto (ICR) / Color / B/W	
Backlight Compensation	Off / BLC / HLC	
Contrast Enhancement	SSDR (Off / On)	
Digital Noise Reduction	SSNRIII (Off / On)	
Digital Image Stabilization	Off / On	
Motion Detection	Off / On	
Privacy Masking	Off / On (12 programmable zones)	
Sens-up (Frame Integration)	2x ~ 512x	
Gain Control	Off / Low / High	
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K ~ 11,000°K)	
Electronic Shutter Speed	1/60 ~ 1/120,000sec	1/50 ~ 1/120,000sec
Digital Zoom	Off / On (1x ~ 16x)	
Reverse	H-Rev / V-Rev	
Communication	Coaxial control (SPC-300 compatible), RS-485	
Protocol	Coax : Pelco-C (Coaxitron) RS-485 : Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon	
ENVIRONMENTAL		
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH	
Ingress Protection	IP66 grade	
ELECTRICAL		
Input Voltage / Current	Dual (24V AC & 12V DC ±10%)	
Power Consumption	Max. 3.8W	
MECHANICAL		
Color / Material	Dark gray / ALDC	
Dimensions (WxHxD)	86.0 x 86.3 x 314.8mm (3.39" x 3.40" x 12.39")	
Weight	955g (2.11 lb)	

* The latest product information / specification can be found at www.samsungsecurity.com

SCO-3080R

Premium Resolution Weatherproof WDR IR Camera



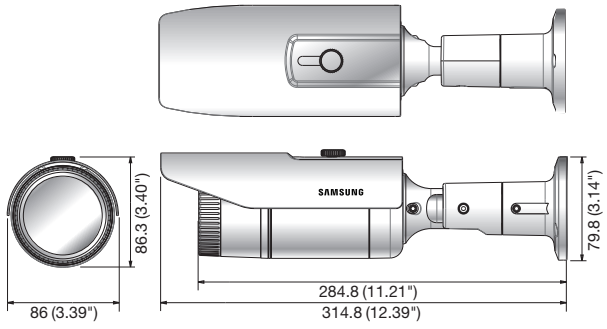


Key Features

- High resolution of 650TV lines (Color), 700TV lines (B/W)
- Min. illumination 0Lux (IR LED On), IR distance 50m
- 3.6x varifocal lens (2.8 ~ 10mm)
- WDR, VPS, Intelligent video analytics
- True Day & Night (ICR), MD, SSNRIII
- IP66, Coax : Pelco-C (Coaxitron), RS-485, Dual power

Dimensions

Unit : mm (inch)



Technical Specifications

	SCO-3080RN	SCO-3080RP
VIDEO		
Imaging Device	1/3" Super HAD CCD II (Double scan)	
Total Pixels	1,028(H) x 508(V)	1,028(H) x 596(V)
Effective Pixels	976(H) x 494(V)	976(H) x 582(V)
Scanning System	2 : 1 Interlace	
Synchronization	Internal / Line lock	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 650TV lines, B/W : 700TV lines	
Min. Illumination	Color : 0.15Lux@F1.2 (50IRE), 0.0003Lux (Sens-up, 512x) B/W : 0Lux (IR LED on)	
S / N Ratio	52dB (AGC off, Weight on)	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	2.8 ~ 10mm (3.6x)	
Max. Aperture Ratio	1 : 1.2(Wide) ~ 2.8(Tele)	
Angular Field of View	H : 94.4°(Wide) ~ 28°(Tele) / V : 69.2°(Wide) ~ 21°(Tele)	
Min. Object Distance	0.2m (0.66ft)	
Focus Control	Manual	
Lens Type	DC auto iris	
OPERATIONAL		
On Screen Display	English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese
Camera Title	Off / On (Displayed 15 characters)	
Day & Night	Auto (ICR) / Color / B/W	
Backlight Compensation	Off / User BLC / HLC / WDR	
Wide Dynamic Range	52dB	54dB
Contrast Enhancement	SSDR (Off / On)	
Digital Noise Reduction	SSNRIII (Off / On)	
Digital Image Stabilization	Off / On	
Motion Detection	Off / On	
Privacy Masking	Off / On (12 programmable zones)	
Sens-up (Frame Integration)	2x ~ 512x	
Gain Control	Off / Low / High	
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K ~ 11,000°K)	
Electronic Shutter Speed	1/60 ~ 1/120,000sec	1/50 ~ 1/120,000sec
Digital Zoom	Off / On (1x ~ 16x)	
Reverse	H-Rev / V-Rev	
Profile	Basic / Day & Night / Backlight / ITS / Indoor / User	
VPS	Off / On	
Intelligent Video Analytics	Fixed / Moved, Fence, Tracking, Counting	
PIP	Off / On	
Alarm	1 Out	
Communication	Coaxial control (SPC-300 compatible), RS-485	
Protocol	Coax : Pelco-C (Coaxitron) RS-485 : Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon	
IR Distance	50m (850nm IR LED : 32ea)	
ENVIRONMENTAL		
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH	
Ingress Protection	IP66 grade	
ELECTRICAL		
Input Voltage / Current	Dual (24V AC & 12V DC ±10%)	
Power Consumption	Max. 6.8W / 6.5W (IR LED on)	
MECHANICAL		
Color / Material	Dark gray / ALDC	
Dimensions (WxHxD)	86.0 x 86.3 x 314.8mm (3.39" x 3.40" x 12.39")	
Weight	1Kg (2.2 lb)	

* The latest product information / specification can be found at www.samsungsecurity.com

SAMSUNG TECHWIN

SCO-2120R

High Resolution 12x Weatherproof IR Camera



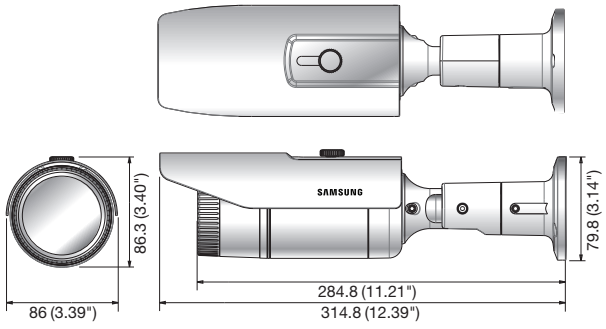


Key Features

- High resolution of 600TV lines (Color), 700TV lines (B/W)
- Min. illumination 0Lux (IR LED On), IR distance 70m
- Powerful 12x zoom (3.94 ~ 46.05mm), Digital 16x
- True Day & Night (ICR), MD, SSNRIII
- IP66, Coax : Pelco-C (Coaxitron), RS-485, Dual power

Dimensions

Unit : mm (inch)



Technical Specifications

	SCO-2120RN	SCO-2120RP
VIDEO		
Imaging Device	1/4" Super HAD CCD II	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Scanning System	2 : 1 Interlace	
Synchronization	Internal / Line lock	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 600TV lines, B/W : 700TV lines	
Min. Illumination	Color : 0.2Lux@F1.67 (50IRE), 0.0004Lux (Sens-up, 512x) B/W : 0Lux (IR LED on)	
S / N Ratio	52dB (AGC off, Weight on)	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	3.94 ~ 46.05mm (Optical 12x)	
Max. Aperture Ratio	1 : 1.67(Wide) ~ 1.88(Tele)	
Angular Field of View	H : 51.54°(Wide) ~ 4.5°(Tele) / V : 39.24°(Wide) ~ 3.38°(Tele)	
Min. Object Distance	1.8m (5.91ft)	
Focus Control	Auto / Manual / One shot	
Zoom Movement Speed	1.9sec (Wide to tele)	
OPERATIONAL		
On Screen Display	English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese
Camera Title	Off / On (Displayed 15 characters)	
Day & Night	Auto (ICR) / Color / B/W	
Backlight Compensation	Off / BLC / HLC	
Contrast Enhancement	SSDR (Off / On)	
Digital Noise Reduction	SSNRIII (Off / On)	
Digital Image Stabilization	Off / On	
Motion Detection	Off / On	
Privacy Masking	Off / On (12 programmable zones)	
Sens-up (Frame Integration)	2x ~ 512x	
Gain Control	Off / Low / Medium / High / Manual	
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K ~ 11,000°K)	
Electronic Shutter Speed	1/60 ~ 1/120,000sec	1/50 ~ 1/120,000sec
Digital Zoom	Off / On (1x ~ 16x)	
Reverse	H-Rev / V-Rev	
Communication	Coaxial control (SPC-300 compatible), RS-485	
Protocol	Coax : Pelco-C (Coaxitron) RS-485 : Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, AD	
IR Distance	70m (850nm IR LED : 31ea)	
ENVIRONMENTAL		
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH	
Ingress Protection	IP66 grade	
ELECTRICAL		
Input Voltage / Current	Dual (24V AC & 12V DC ±10%)	
Power Consumption	Max. 6.8W / 6.5W (IR LED on)	
MECHANICAL		
Color / Material	Dark gray / ALDC	
Dimensions (WxHxD)	86.0 x 86.3 x 314.8mm (3.39" x 3.40" x 12.39")	
Weight	1.2Kg (2.65 lb)	

* The latest product information / specification can be found at www.samsungsecurity.com

SCO-2080R/2080RH

High Resolution Weatherproof IR Camera



SCO-2080R

SCO-2080RH



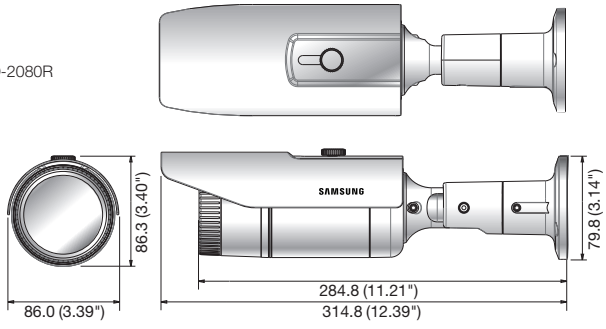
Key Features

- High resolution of 600TV lines (Color), 700TV lines (B/W)
- Min. illumination 0Lux (IR LED On), IR distance 50m
- 3.6x varifocal lens (2.8 ~ 10mm)
- True Day & Night (ICR), MD, SSNRIII
- IP66, Coax : Pelco-C (Coaxitron), RS-485, Dual power

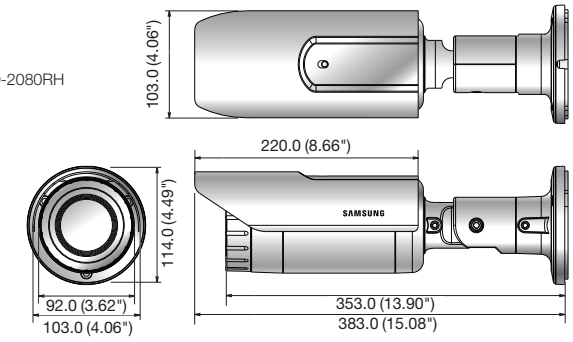
Dimensions

Unit : mm (inch)

SCO-2080R



SCO-2080RH



Technical Specifications

	SCO-2080RN/2080RHN	SCO-2080RP/2080RHP
VIDEO		
Imaging Device	1/3" Super HAD CCD II	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Scanning System	2 : 1 Interlace	
Synchronization	Internal / Line lock	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 600TV lines, B/W : 700TV lines	
Min. Illumination	Color : 0.15Lux@F1.2 (50IRE), 0.0003Lux (Sens-up, 512x) B/W : 0Lux (IR LED On)	
S / N Ratio	52dB (AGC off, Weight on)	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	2.8 ~ 10mm (3.6x)	
Max. Aperture Ratio	1 : 1.2(Wide) ~ 2.8(Tele)	
Angular Field of View	H : 94.4°(Wide) ~ 28°(Tele) / V : 69.2°(Wide) ~ 21°(Tele)	
Min. Object Distance	0.2m (0.66ft)	
Focus Control	Manual	
Lens Type	DC auto iris	
OPERATIONAL		
On Screen Display	English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese
Camera Title	Off / On (Displayed 15 characters)	
Day & Night	Auto (ICR) / Color / B/W	
Backlight Compensation	Off / BLC / HLC	
Contrast Enhancement	SSDR (Off / On)	
Digital Noise Reduction	SSNRIII (Off / On)	
Digital Image Stabilization	Off / On	
Motion Detection	Off / On	
Privacy Masking	Off / On (12 programmable zones)	
Sens-up (Frame Integration)	2x ~ 512x	
Gain Control	Off / Low / High	
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K ~ 11,000°K)	
Electronic Shutter Speed	1/60 ~ 1/120,000sec	1/50 ~ 1/120,000sec
Digital Zoom	Off / On (1x ~ 16x)	
Reverse	H-Rev / V-Rev	
Communication	Coaxial control (SPC-300 compatible), RS-485	
Protocol	Coax : Pelco-C (Coaxitron) RS-485 : Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon	
IR Distance	50m (850nm IR LED : 32ea)	
ENVIRONMENTAL		
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH : SCO-2080R -50°C ~ +55°C (-58°F ~ +131°F) / Less than 90% RH : SCO-2080RH	
Ingress Protection	IP66 grade	
ELECTRICAL		
Input Voltage / Current	Dual (24V AC & 12V DC ±10%)	
Power Consumption	Max. 6.8W / 6.5W (IR LED on) : SCO-2080R Max. 15W (Heater on), Max. 7.2W (Heater off) : SCO-2080RH	
MECHANICAL		
Color / Material	Dark gray / ALDC	
Dimensions (WxHxD)	86.0 x 86.3 x 314.8mm (3.39" x 3.40" x 12.39") : SCO-2080R 103.0 x 114.0 x 383.0mm (4.06" x 4.49" x 15.08") : SCO-2080RH	
Weight	1Kg (2.2 lb) : SCO-2080R, 1.7Kg (3.75 lb) : SCO-2080RH	

* The latest product information / specification can be found at www.samsungsecurity.com

SCO-1020R

Small Weatherproof IR Camera



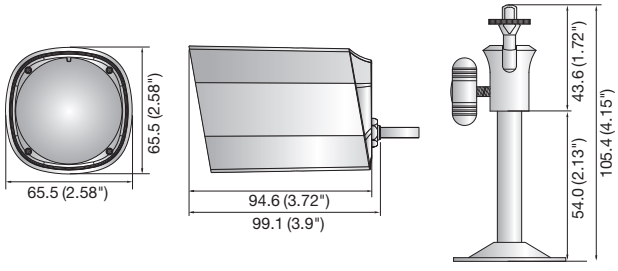


Key Features

- High resolution of 520TV lines
- Min. illumination 0Lux (IR LED On), IR distance 15m
- Built-in 3.6mm fixed lens
- IP66, 12V DC

Dimensions

Unit : mm (inch)



Technical Specifications

	SCO-1020RN	SCO-1020RP
VIDEO		
Imaging Device	1/4" CMOS	
Total Pixels	680(H) x 512(V)	680(H) x 512(V)
Scanning System	2 : 1 Interlace	
Synchronization	Internal	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 520TV lines	
Min. Illumination	B/W : 0Lux (IR LED on)	
S / N Ratio	46dB (AGC off, Weight on)	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	3.6mm	
Max. Aperture Ratio	F2.0	
Angular Field of View	H : 56° / V : 42°	
Min. Object Distance	0.2m (0.66ft)	
Lens Type	Fixed	
Mount Type	Board type	
OPERATIONAL		
Day & Night	Auto	
Digital Noise Reduction	Auto	
Gain Control	Auto	
White Balance	Auto (3,200°K ~ 6,500°K)	
Shutter Mode	Auto (Rolling shutter)	
IR Distance	15m (IR LED : 20ea)	
ENVIRONMENTAL		
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / 20% ~ 85% RH	
Ingress Protection	IP66 grade	
ELECTRICAL		
Input Voltage / Current	12V DC ±10%	
Power Consumption	Max. 2.6W (IR LED on)	
MECHANICAL		
Color / Material	White / Plastic	
Dimensions (WxHxD)	65.5 x 65.5 x 94.6 mm (2.58" x 2.58" x 3.72")	
Weight	325g (0.72 lb)	

* The latest product information / specification can be found at www.samsungsecurity.com

SCD-3081

Premium Resolution WDR Varifocal Dome Camera



SCD-3081



SCD-3081B

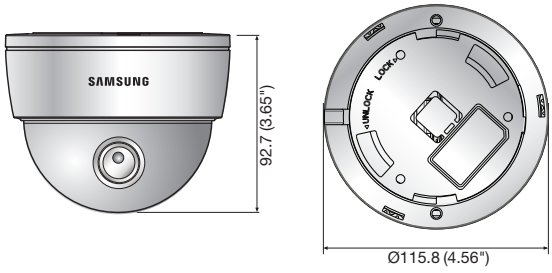


Key Features

- High resolution of 650TV lines, 700TV lines (B/W)
- Min. illumination 0.1Lux@F1.2 (Color), 0.01Lux (B/W)
- 3.9x varifocal lens (2.8 ~ 11mm)
- WDR, VPS, Intelligent video analytics
- True Day & Night (ICR), MD, SSNRIII
- Coax : Pelco-C (Coaxitron), Dual power

Dimensions

Unit : mm (inch)



Technical Specifications

	SCD-3081N	SCD-3081P
VIDEO		
Imaging Device	1/3" Super HAD CCD II (Double scan)	
Total Pixels	1,028(H) x 508(V)	1,028(H) x 596(V)
Effective Pixels	976(H) x 494(V)	976(H) x 582(V)
Scanning System	2 : 1 Interlace	
Synchronization	Internal / Line lock	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 650TV lines, B/W : 700TV lines	
Min. Illumination	Color : 0.1Lux@F1.2 (50IRE), 0.0002Lux (Sens-up, 512x) B/W : 0.01Lux@F1.2 (50IRE), 0.00002Lux (Sens-up, 512x)	
S / N Ratio	52dB (AGC off, Weight on)	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	2.8 ~ 11mm (3.9x)	
Max. Aperture Ratio	1 : 1.2(Wide) ~ 2.8(Tele)	
Angular Field of View	H : 94°(Wide) ~ 26°(Tele) / V : 67°(Wide) ~ 20°(Tele)	
Min. Object Distance	0.2m (0.66ft)	
Lens Type	DC auto iris	
Mount Type	Board type	
PAN / TILT		
Pan Range	0° ~ 352°	
Tilt Range	0° ~ 73°	
Rotate Range	0° ~ 348°	
OPERATIONAL		
On Screen Display	English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese
Camera Title	Off / On (Displayed 15 characters)	
Day & Night	Auto (ICR) / External / Color / B/W	
Backlight Compensation	Off / User BLC / HLC / WDR	
Wide Dynamic Range	52dB	54dB
Contrast Enhancement	SSDR (Off / On)	
Digital Noise Reduction	SSNRIII (Off / On)	
Digital Image Stabilization	Off / On	
Motion Detection	Off / On	
Privacy Masking	Off / On (12 programmable zones)	
Sens-up (Frame Integration)	2x ~ 512x	
Gain Control	Off / Low / High	
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K ~ 11,000°K)	
Electronic Shutter Speed	1/60 ~ 1/120,000sec	1/50 ~ 1/120,000sec
Digital Zoom	Off / On (1x ~ 16x)	
Reverse	Off / H-Rev / V-Rev / HV-Rev	
Profile	Basic / Day & Night / Backlight / ITS / Indoor / User	
VPS	Off / On	
Intelligent Video Analytics	Fixed / Moved, Area, Fence, Tracking, Counting	
PIP	Off / On	
Alarm	1 Out	
Communication	Coaxial control (SPC-300 compatible)	
Protocol	Coax : Pelco-C (Coaxitron)	
ENVIRONMENTAL		
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH	
ELECTRICAL		
Input Voltage / Current	Dual (24V AC & 12V DC ±10%)	
Power Consumption	Max. 3.5W	
MECHANICAL		
Color / Material	Ivory / Plastic (Dome cover : Clear)	
Dimensions (WxH)	Ø115.8 x 92.7mm (Ø4.56" x 3.65")	
Weight	365g (0.8 lb)	

* Derivative products : SCD-3081B
* The latest product information / specification can be found at www.samsungsecurity.com

SCD-2081

Premium Resolution Varifocal Dome Camera



SCD-2081



SCD-2081B

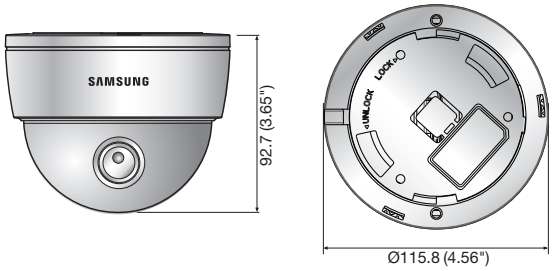
650TVL | 0.1 Lux | 3.9x V/F Lens | D&N ICR

Key Features

- High resolution of 650TV lines, 700TV lines (B/W)
- Min. illumination 0.1Lux@F1.2 (Color), 0.01Lux (B/W)
- 3.9x varifocal lens (2.8 ~ 11mm)
- True Day & Night (ICR), MD, SSNRIII
- Coax : Pelco-C (Coaxitron), Dual power

Dimensions

Unit : mm (inch)



Technical Specifications

	SCD-2081N	SCD-2081P
VIDEO		
Imaging Device	1/3" Super HAD CCD II	
Total Pixels	1,028(H) x 508(V)	1,028(H) x 596(V)
Effective Pixels	976(H) x 494(V)	976(H) x 582(V)
Scanning System	2 : 1 Interlace	
Synchronization	Internal / Line lock	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 650TV lines, B/W : 700TV lines	
Min. Illumination	Color : 0.1Lux@F1.2 (50IRE), 0.0002Lux (Sens-up, 512x) B/W : 0.01Lux@F1.2 (50IRE), 0.00002Lux (Sens-up, 512x)	
S / N Ratio	52dB (AGC off, Weight on)	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	2.8 ~ 11mm (3.9x)	
Max. Aperture Ratio	1 : 1.2(Wide) ~ 2.8(Tele)	
Angular Field of View	H : 94°(Wide) ~ 26°(Tele) / V : 67°(Wide) ~ 20°(Tele)	
Min. Object Distance	0.2m (0.66ft)	
Lens Type	DC auto iris	
Mount Type	Board type	
PAN / TILT		
Pan Range	0° ~ 352°	
Tilt Range	0° ~ 73°	
Rotate Range	0° ~ 348°	
OPERATIONAL		
On Screen Display	English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese
Camera Title	Off / On (Displayed 15 characters)	
Day & Night	Auto (ICR) / External / Color / B/W	
Backlight Compensation	Off / User BLC / HLC	
Contrast Enhancement	SSDR (Off / On)	
Digital Noise Reduction	SSNRIII (Off / On)	
Digital Image Stabilization	Off / On	
Motion Detection	Off / On	
Privacy Masking	Off / On (12 programmable zones)	
Sens-up (Frame Integration)	2x ~ 512x	
Gain Control	Off / Low / High	
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K ~ 11,000°K)	
Electronic Shutter Speed	1/60 ~ 1/120,000sec	1/50 ~ 1/120,000sec
Digital Zoom	Off / On (1x ~ 16x)	
Reverse	Off / H-Rev / V-Rev / HV-Rev	
Profile	Basic / Day & Night / Backlight / ITS / Indoor / User	
PIP	Off / On	
Alarm	1 Out	
Communication	Coaxial control (SPC-300 compatible)	
Protocol	Coax : Pelco-C (Coaxitron)	
ENVIRONMENTAL		
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH	
ELECTRICAL		
Input Voltage / Current	Dual (24V AC & 12V DC ±10%)	
Power Consumption	Max. 3.5W	
MECHANICAL		
Color / Material	Ivory / Plastic (Dome cover : Clear)	
Dimensions (WxH)	Ø115.8 x 92.7mm (Ø4.56" x 3.65")	
Weight	365g (0.8 lb)	

* Derivative products : SCD-2081B

* The latest product information / specification can be found at www.samsungsecurity.com

SCD-3080/2080

High Resolution Varifocal Dome Camera



SCD-3080/2080



SCD-3080B/2080B

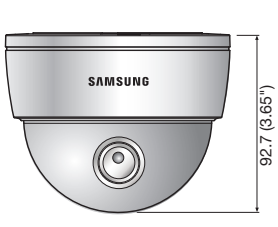


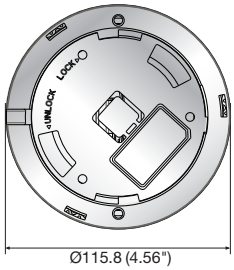
Key Features

- High resolution of 600TV lines, 700TV lines (B/W)
- Min. illumination 0.3Lux@F1.2 (Color), 0.01Lux (B/W) : SCD-3080
  0.15Lux@F1.2 (Color), 0.001Lux (B/W) : SCD-2080
- 3.9x varifocal lens (2.8 ~ 11mm) : SCD-3080
  3.6x varifocal lens (2.8 ~ 10mm) : SCD-2080
- WDR, VPS, Intelligent video analytics : SCD-3080
- True Day & Night (ICR), MD, SSNRIII
- Coax : Pelco-C (Coaxitron), Dual power

Dimensions

Unit : mm (inch)





Technical Specifications

	SCD-3080N/2080N	SCD-3080P/2080P
VIDEO		
Imaging Device	1/3" Super HAD CCD (Double scan) : SCD-3080, 1/3" Super HAD CCD II : SCD-2080	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Scanning System	2 : 1 Interlace	
Synchronization	Internal / Line lock	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 600TV lines, B/W : 700TV lines	
Min. Illumination	Color : 0.3Lux@F1.2 (50IRE), 0.0006Lux (Sens-up, 512x) : SCD-3080 0.15Lux@F1.2 (50IRE) : 0.0003Lux (Sens-up, 512x) : SCD-2080 B/W : 0.01Lux@F1.2 (50IRE), 0.00002Lux (Sens-up, 512x) : SCD-3080 0.001Lux@F1.2 (50IRE), 0.000002Lux (Sens-up, 512x) : SCD-2080	
S / N Ratio	52dB (AGC off, Weight on)	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	2.8 ~ 11mm (3.9x) : SCD-3080, 2.8 ~ 10mm (3.6x) : SCD-2080	
Max. Aperture Ratio	1 : 1.2(Wide) ~ 2.8(Tele)	
Angular Field of View	H : 94°(Wide) ~ 26°(Tele) / V : 67°(Wide) ~ 20°(Tele) : SCD-3080 H : 94.4°(Wide) ~ 28°(Tele) / V : 69.2°(Wide) ~ 21°(Tele) : SCD-2080	
Min. Object Distance	0.2m (0.66ft)	
Lens Type	DC auto iris	
Mount Type	Board type	
PAN / TILT		
Pan Range	0° ~ 352°	
Tilt Range	0° ~ 73°	
Rotate Range	0° ~ 348°	
OPERATIONAL		
On Screen Display	English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese
Camera Title	Off / On (Displayed 15 characters)	
Day & Night	Auto (ICR) / External / Color / B/W : SCD-3080 Auto (ICR) / Color / B/W : SCD-2080	
Backlight Compensation	Off / User BLC / HLC / WDR : SCD-3080, Off / BLC / HLC : SCD-2080	
Wide Dynamic Range	52dB : SCD-3080	54dB : SCD-3080
Contrast Enhancement	SSDR (Off / On)	
Digital Noise Reduction	SSNRIII (Off / On)	
Digital Image Stabilization	Off / On	
Motion Detection	Off / On	
Privacy Masking	Off / On (12 programmable zones)	
Sens-up (Frame Integration)	2x ~ 512x	
Gain Control	Off / Low / High	
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K ~ 11,000°K)	
Electronic Shutter Speed	1/60 ~ 1/120,000sec	1/50 ~ 1/120,000sec
Digital Zoom	Off / On (1x ~ 16x)	
Reverse	Off / H-Rev / V-Rev / HV-Rev : SCD-3080, H-Rev / V-Rev : SCD-2080	
Profile	Basic / Day & Night / Backlight / ITS / Indoor / User : SCD-3080	
VPS	Off / On : SCD-3080	
Intelligent Video Analytics	Fixed / Moved, Area, Fence, Tracking, Counting : SCD-3080	
PIP	Off / On : SCD-3080	
Alarm	1 Out : SCD-3080	
Communication	Coaxial control (SPC-300 compatible)	
Protocol	Coax : Pelco-C (Coaxitron)	
ENVIRONMENTAL		
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH	
ELECTRICAL		
Input Voltage / Current	Dual (24V AC & 12V DC ±10%)	
Power Consumption	Max. 3.5W	
MECHANICAL		
Color / Material	Ivory / Plastic (Dome cover : Clear)	
Dimensions (WxH)	Ø115.8 x 92.7mm (Ø4.56" x 3.65")	
Weight	365g (0.8 lb) : SCD-3080, 345g (0.76 lb) : SCD-2080	

* Derivative products : SCD-3080B/2080B

* The latest product information / specification can be found at www.samsungsecurity.com

SCD-2080E/2060E

High Resolution Varifocal Dome Camera



SCD-2080E/2060E



SCD-2080EB/2060EB

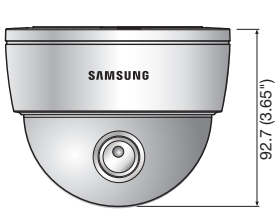


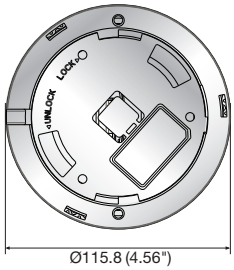
Key Features

- High resolution of 600TV lines, 700TV lines (B/W)
- Min. illumination 0.15Lux@F1.2 (Color)
- 3.6x varifocal lens (2.8 ~ 10mm) : SCD-2080E
  2.4x varifocal lens (2.5 ~ 6mm) : SCD-2060E
- MD, SSNRIII
- Coax : Pelco-C (Coaxitron), Dual power

Dimensions

Unit : mm (inch)





Technical Specifications

	SCD-2080EN/2060EN	SCD-2080EP/2060EP
VIDEO		
Imaging Device	1/3" Super HAD CCD II	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Scanning System	2 : 1 Interlace	
Synchronization	Internal / Line lock	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 600TV lines	
Min. Illumination	Color : 0.15Lux@F1.2 (50IRE), 0.0003Lux (Sens-up, 512x)	
S / N Ratio	52dB (AGC off, Weight on)	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	2.8 ~ 10mm (3.6x) : SCD-2080E, 2.5 ~ 6mm (2.4x) : SCD-2060E	
Max. Aperture Ratio	1 : 1.2(Wide) ~ 2.8(Tele)	
Angular Field of View	H : 94.4°(Wide) ~ 28°(Tele) / V : 69.2°(Wide) ~ 21°(Tele) : SCD-2080E H : 103.4°(Wide) ~ 46.6°(Tele) / V : 77.6°(Wide) ~ 35.1°(Tele) : SCD-2060E	
Lens Type	DC auto iris	
Mount Type	Board type	
PAN / TILT		
Pan Range	0° ~ 352°	
Tilt Range	0° ~ 73°	
Rotate Range	0° ~ 348°	
OPERATIONAL		
On Screen Display	English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese
Camera Title	Off / On (Displayed 15 characters)	
Day & Night	Auto (Electrical) / Color / B/W	
Backlight Compensation	Off / BLC / HLC	
Contrast Enhancement	SSDR (Off / On)	
Digital Noise Reduction	SSNRIII (Off / On)	
Digital Image Stabilization	Off / On	
Motion Detection	Off / On	
Privacy Masking	Off / On (12 programmable zones)	
Sens-up (Frame Integration)	2x ~ 512x	
Gain Control	Off / Low / High	
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K ~ 11,000°K)	
Electronic Shutter Speed	1/60 ~ 1/120,000sec	1/50 ~ 1/120,000sec
Digital Zoom	Off / On (1x ~ 16x)	
Reverse	H-Rev / V-Rev	
Communication	Coaxial control (SPC-300 compatible)	
Protocol	Coax : Pelco-C (Coaxitron)	
ENVIRONMENTAL		
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH	
ELECTRICAL		
Input Voltage / Current	Dual (24V AC & 12V DC ±10%)	
Power Consumption	Max. 3.5W	
MECHANICAL		
Color / Material	Ivory / Plastic (Dome cover : Clear)	
Dimensions (WxH)	Ø115.8 x 92.7mm (Ø4.56" x 3.65")	
Weight	340g (0.75 lb) : SCD-2080E, 350g (0.77 lb) : SCD-2060E	

* Derivative products : SCD-2080EB/2060EB
* The latest product information / specification can be found at www.samsungsecurity.com

SAMSUNG TECHWIN

SCD-2082

Premium Resolution Varifocal Dome Camera



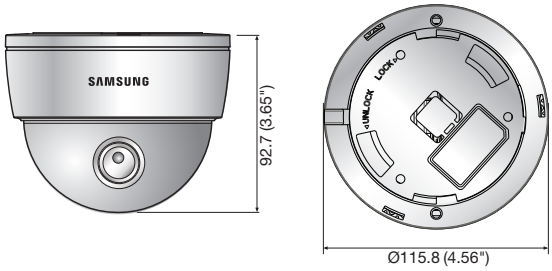
700TVL | 0.1Lux | 3.6x V/F Lens | E-D&N

Key Features

- High resolution of 700TV lines (Color)
- Min. illumination 0.1Lux@F1.2 (Color)
- 3.6x varifocal lens (2.8 ~ 10mm)
- MD, Defog, SSNRIII
- Coax : Pelco-C (Coaxitron), Dual power

Dimensions

Unit : mm (inch)



Technical Specifications

	SCD-2082N	SCD-2082P
VIDEO		
Imaging Device	1/3" Super HAD CCD II	
Total Pixels	1,020(H) x 508(V)	1,020(H) x 596(V)
Effective Pixels	976(H) x 494(V)	976(H) x 582(V)
Scanning System	2 : 1 Interlace	
Synchronization	Internal / Line lock	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 650TV lines (Sharp mode : 700TV lines)	
Min. Illumination	0.1Lux@F1.2 (50IRE), 0.002Lux (Sens-up, 512x)	
S / N Ratio	52dB (AGC off, Weight on)	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	2.8 ~ 10mm (3.6x)	
Max. Aperture Ratio	1 : 1.2(Wide) ~ 2.8(Tele)	
Angular Field of View	H : 94.4°(Wide) ~ 28°(Tele) / V : 69.2°(Wide) ~ 21°(Tele)	
Min. Object Distance	0.2m (0.66ft)	
Lens Type	DC auto iris	
Mount Type	Board type	
PAN / TILT		
Pan Range	0° ~ 352°	
Tilt Range	0° ~ 73°	
Rotate Range	0° ~ 348°	
OPERATIONAL		
On Screen Display	English, Japanese, Spanish, French, Portuguese, Korean	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese
Camera Title	Off / On (Displayed 15 characters)	
Day & Night	Auto (Electrical) / Color / B/W	
Backlight Compensation	Off / BLC / HLC	
Contrast Enhancement	SSDR (Off / On)	
Digital Noise Reduction	SSNRIII (Off / On)	
Defog	Off / Auto / Manual	
Motion Detection	Off / On	
Privacy Masking	Off / On (8 programmable zones)	
Sens-up (Frame Integration)	2x ~ 512x	
Gain Control	Off / Low / Middle / High	
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,800°K ~ 10,500°K)	
Electronic Shutter Speed	1/60 ~ 1/120,000sec	1/50 ~ 1/120,000sec
Reverse	H-Rev (Off / On)	
Communication	Coaxial control (SPC-300 compatible)	
Protocol	Coax : Pelco-C (Coaxitron)	
ENVIRONMENTAL		
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH	
ELECTRICAL		
Input Voltage / Current	Dual (24V AC & 12V DC ±10%)	
Power Consumption	Max. 2.5W (TBD)	
MECHANICAL		
Color / Material	Ivory / Plastic (Dome cover : Clear)	
Dimensions (WxHxD)	Ø115.8 x 92.7mm (Ø4.56" x 3.65")	
Weight	313g (0.69 lb)	

* The latest product information / specification can be found at www.samsungsecurity.com

SAMSUNG TECHWIN

SCD-2022

Premium Resolution Small Dome Camera



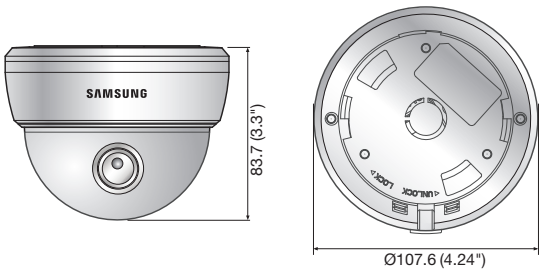


Key Features

- High resolution of 700TV lines (Color)
- Min. illumination 0.15Lux@F1.2 (Color)
- Built-in fixed lens (3.8mm)
- MD, Defog, SSNRIII
- Coax : Pelco-C (Coaxitron), 12V DC

Dimensions

Unit : mm (inch)



Technical Specifications

	SCD-2022N	SCD-2022P
VIDEO		
Imaging Device	1/3" Super HAD CCD II	
Total Pixels	1,020(H) x 508(V)	1,020(H) x 596(V)
Effective Pixels	976(H) x 494(V)	976(H) x 582(V)
Scanning System	2 : 1 Interlace	
Synchronization	Internal	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 650TV lines (Sharp mode : 700TV lines)	
Min. Illumination	0.15Lux@F1.2 (50IRE), 0.002Lux (Sens-up, 512x)	
S / N Ratio	52dB (AGC off, Weight on)	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	3.8mm (Fixed)	
Max. Aperture Ratio	F2.0	
Angular Field of View	H : 78° / V : 59°	
Min. Object Distance	0.4m (1.31ft)	
Lens Type	Fixed	
Mount Type	Board type	
PAN / TILT		
Pan Range	0° ~ 352°	
Tilt Range	0° ~ 75°	
OPERATIONAL		
On Screen Display	English, Japanese, Spanish, French, Portuguese, Korean	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese
Camera Title	Off / On (Displayed 15 characters)	
Day & Night	Auto (Electrical) / Color / B/W	
Backlight Compensation	Off / BLC / HLC	
Contrast Enhancement	SSDR (Off / On)	
Digital Noise Reduction	SSNRIII (Off / On)	
Defog	Off / Auto / Manual	
Motion Detection	Off / On	
Privacy Masking	Off / On (8 programmable zones)	
Sens-up (Frame Integration)	2x ~ 512x	
Gain Control	Off / Low / Middle / High	
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,800°K ~ 10,500°K)	
Electronic Shutter Speed	1/60 ~ 1/120,000sec	1/50 ~ 1/120,000sec
Reverse	H-Rev (Off / On)	
Communication	Coaxial control (SPC-300 compatible)	
Protocol	Coax : Pelco-C (Coaxitron)	
ENVIRONMENTAL		
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH	
ELECTRICAL		
Input Voltage / Current	12V DC ±10%	
Power Consumption	Max. 1.1W (TBD)	
MECHANICAL		
Color / Material	Ivory / Plastic (Dome cover : Smoked)	
Dimensions (WxHxD)	Ø107.6 x 83.7mm (Ø4.24" x 3.3")	
Weight	233g (0.51 lb)	

* The latest product information / specification can be found at www.samsungsecurity.com

SAMSUNG TECHWIN

SCD-2020/2040

High Resolution Small Dome Camera



SCD-2020/2040



SCD-2020B

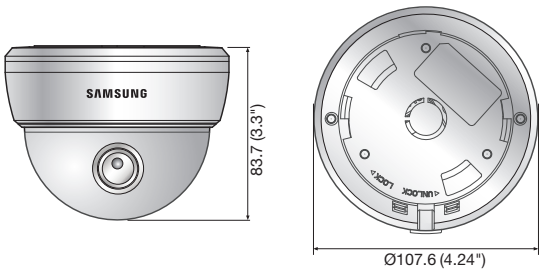


Key Features

- High resolution of 600TV lines
- Min. illumination 0.15Lux@F1.2
- Built-in fixed lens (3.7mm : SCD-2020, 8mm : SCD-2040)
- SSNRIII, Coax : Pelco-C (Coaxitron), Dual power

Dimensions

Unit : mm (inch)



Technical Specifications

	SCD-2020N/2040N	SCD-2020P/2040P
VIDEO		
Imaging Device	1/3" Super HAD CCD II	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Scanning System	2 : 1 Interlace	
Synchronization	Internal / Line lock	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 600TV lines	
Min. Illumination	Color : 0.15Lux@F1.2 (50IRE), 0.0006Lux (Sens-up, 256x)	
S / N Ratio	52dB (AGC off, Weight on)	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	3.7mm (Fixed) : SCD-2020, 8mm (Fixed) : SCD-2040	
Max. Aperture Ratio	F2.0	
Angular Field of View	H : 71˚ / V : 52˚ : SCD-2020, H : 33˚ / V : 25˚ : SCD-2040	
Min. Object Distance	0.4m (1.31ft)	
Lens Type	Fixed	
Mount Type	Board type	
PAN / TILT		
Pan Range	0° ~ 352°	
Tilt Range	0° ~ 75°	
Rotate Range	0° ~ 348°	
OPERATIONAL		
On Screen Display	English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese
Camera Title	Off / On (Displayed 15 characters)	
Day & Night	Auto (Electrical) / Color / B/W	
Backlight Compensation	Off / BLC / HLC	
Contrast Enhancement	SSDR (Off / On)	
Digital Noise Reduction	SSNRIII (Off / On)	
Digital Image Stabilization	Off / On	
Motion Detection	Off / On	
Privacy Masking	Off / On (12 programmable zones)	
Sens-up (Frame Integration)	2x ~ 512x	
Gain Control	Off / Low / High	
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K ~ 11,000°K)	
Electronic Shutter Speed	1/60 ~ 1/120,000sec	1/50 ~ 1/120,000sec
Digital Zoom	Off / On (1x ~ 16x)	
Reverse	H-Rev / V-Rev	
Communication	Coaxial control (SPC-300 compatible)	
Protocol	Coax : Pelco-C (Coaxitron)	
ENVIRONMENTAL		
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH	
ELECTRICAL		
Input Voltage / Current	Dual (24V AC & 12V DC ±10%)	
Power Consumption	Max. 3.5W	
MECHANICAL		
Color / Material	Ivory / Plastic (Dome cover : Smoked)	
Dimensions (WxH)	Ø107.6 x 83.7mm (Ø4.24" x 3.3")	
Weight	285g (0.63 lb)	

* Derivative products : SCD-2020B

* The latest product information / specification can be found at www.samsungsecurity.com

SCD-2010

High Resolution Mini Dome Camera



SCD-2010



SCD-2010B

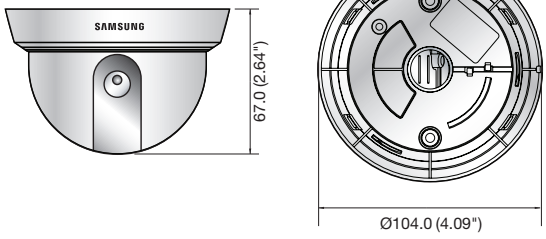


Key Features

- High resolution of 600TV lines
- Min. illumination 0.04Lux@F1.2
- Built-in fixed lens (3mm)
- Coax : Pelco-C (Coaxitron), 12V DC

Dimensions

Unit : mm (inch)



Technical Specifications

	SCD-2010N	SCD-2010P
VIDEO		
Imaging Device	1/3" Super HAD CCD II	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Scanning System	2 : 1 Interlace	
Synchronization	Internal	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 600TV lines	
Min. Illumination	Color : 0.04Lux@F1.2	
S / N Ratio	52dB (AGC off, Weight on)	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	3mm	
Max. Aperture Ratio	F2.0	
Angular Field of View	H : 95˚ / V : 71˚	
Min. Object Distance	0.4m (1.31ft)	
Lens Type	Fixed	
Mount Type	Board type	
PAN / TILT		
Pan Range	0° ~ 352°	
Tilt Range	0° ~ 75°	
OPERATIONAL		
On Screen Display	English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese
Camera Title	Off / On (Displayed 15 characters)	
Day & Night	Auto (Electrical) / Color / B/W	
Backlight Compensation	Off / BLC / HLC	
Contrast Enhancement	SSDR (Off / On)	
Digital Noise Reduction	SSNRIII (Off / On)	
Digital Image Stabilization	Off / On	
Motion Detection	Off / On	
Privacy Masking	Off / On (12 programmable zones)	
Sens-up (Frame Integration)	2x ~ 512x	
Gain Control	Off / Low / High	
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K ~ 11,000°K)	
Electronic Shutter Speed	1/60 ~ 1/120,000sec	1/50 ~ 1/120,000sec
Digital Zoom	Off / On (1x ~ 16x)	
Reverse	H-Rev / V-Rev	
Communication	Coaxial control (SPC-300 compatible)	
Protocol	Coax : Pelco-C (Coaxitron)	
ENVIRONMENTAL		
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH	
ELECTRICAL		
Input Voltage / Current	12V DC ±10%	
Power Consumption	Max. 1.8W	
MECHANICAL		
Color / Material	Ivory / Plastic (Dome cover : clear)	
Dimensions (WxH)	Ø104.0 x 67.0mm (Ø4.09" x 2.64")	
Weight	180g (0.4 lb)	

* Derivative products : SCD-2010B

* The latest product information / specification can be found at www.samsungsecurity.com

SAMSUNG TECHWIN

SCD-2010F

High Resolution Compact Flat Camera



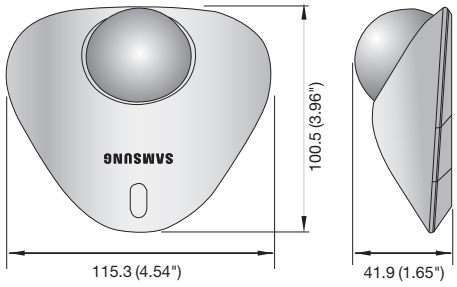


Key Features

- High resolution of 600TV lines
- Min. Illumination 0.04Lux@F1.2
- Built-in fixed lens (3mm)
- Coax : Pelco-C (Coaxitron), 12V DC

Dimensions

Unit : mm (inch)



Technical Specifications

	SCD-2010FN	SCD-2010FP
VIDEO		
Imaging Device	1/3" Super HAD CCD II	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Scanning System	2 : 1 Interlace	
Synchronization	Internal	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 600TV lines	
Min. Illumination	Color : 0.04Lux (Sens-up, 2x)	
S / N Ratio	52dB (AGC off, Weight on)	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	3mm	
Max. Aperture Ratio	F2.0	
Angular Field of View	H : 89.5° / V : 67.2°	
Min. Object Distance	0.4m (1.31ft)	
Lens Type	Fixed	
Mount Type	Board type	
PAN / TILT		
Pan Range	±10°	
Tilt Range	0° ~ 90°	
OPERATIONAL		
On Screen Display	English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese
Camera Title	Off / On (Displayed 15 characters)	
Day & Night	Auto (Electrical) / Color / B/W	
Backlight Compensation	Off / BLC / HLC	
Contrast Enhancement	SSDR (Off / On)	
Digital Noise Reduction	SSNRIII (Off / On)	
Digital Image Stabilization	Off / On	
Motion Detection	Off / On	
Privacy Masking	Off / On (12 programmable zones)	
Sens-up (Frame Integration)	2x ~ 512x	
Gain Control	Off / Low / High	
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K ~ 11,000°K)	
Electronic Shutter Speed	1/60 ~ 1/120,000sec	1/50 ~ 1/120,000sec
Digital Zoom	Off / On (1x ~ 16x)	
Reverse	H-Rev / V-Rev	
Communication	Coaxial control (SPC-300 compatible)	
Protocol	Coax : Pelco-C (Coaxitron)	
ENVIRONMENTAL		
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH	
ELECTRICAL		
Input Voltage / Current	12V DC ±10%	
Power Consumption	Max. 1.8W	
MECHANICAL		
Color / Material	Ivory / Plastic (Dome cover : Clear)	
Dimensions (WxHxD)	115.3 x 100.5 x 41.9mm (4.54" x 3.96" x 1.65")	
Weight	140g (0.31 lb)	

* The latest product information / specification can be found at www.samsungsecurity.com

SCD-1080

High Resolution Dome Camera



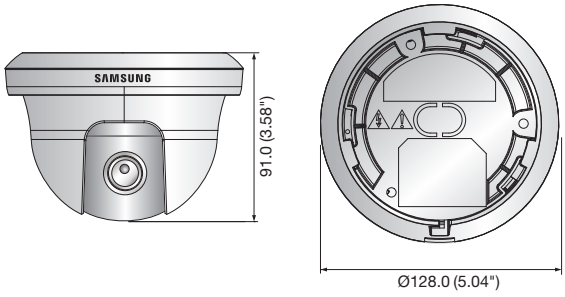


Key Features

- High resolution of 600TV lines
- Min. illumination 0.15Lux@F1.2
- 3.6x varifocal lens (2.8 ~ 10mm)
- Coax : Pelco-C (Coaxitron), Dual power, 12V DC

Dimensions

Unit : mm (inch)



Technical Specifications

	SCD-1080P	SCD-1080PD
VIDEO		
Imaging Device	1/3" Super HAD CCD II	
Total Pixels	795(H) x 596(V)	
Effective Pixels	752(H) x 582(V)	
Scanning System	2 : 1 Interlace	
Synchronization	Internal / Line lock	Internal
Frequency	H : 15.625KHz / V : 50Hz	
Horizontal Resolution	Color : 600TV lines	
Min. Illumination	Color : 0.15Lux@F1.2 (50IRE)	
S / N Ratio	52dB (AGC off, Weight on)	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	2.8 ~ 10mm (3.6x)	
Max. Aperture Ratio	1 : 1.2(Wide) ~ 2.8(Tele)	
Angular Field of View	H : 94.4°(Wide) ~ 28°(Tele) / V : 69.2°(Wide) ~ 21°(Tele)	
Min. Object Distance	0.2m (0.66ft)	
Lens Type	DC auto iris	
Mount Type	Board type	
PAN / TILT		
Pan Range	0° ~ 350°	
Tilt Range	0° ~ 90°	
Rotate Range	0° ~ 355°	
OPERATIONAL		
On Screen Display	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese	
Camera Title	Off / On (Displayed 15 characters)	
Day & Night	Auto (Electrical) / Color / B/W	
Backlight Compensation	Off / BLC / HLC	
Contrast Enhancement	SSDR (Off / On)	
Digital Noise Reduction	2D DNR (Off / On)	
Privacy Masking	Off / On (4 programmable zones)	
Gain Control	Off / Low / High	
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K ~ 11,000°K)	
Electronic Shutter Speed	1/50 ~ 1/120,000sec	
Reverse	H-Rev	
Communication	Coaxial control (SPC-300 compatible)	
Protocol	Coax : Pelco-C (Coaxitron)	
ENVIRONMENTAL		
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH	
ELECTRICAL		
Input Voltage / Current	Dual (24V AC & 12V DC ±10%)	12V DC ±10%
Power Consumption	Max. 2.8W	Max. 1.2W
MECHANICAL		
Color / Material	White / Plastic	
Dimensions (WxH)	Ø128.0 x 91.0mm (Ø5.04" x 3.58")	
Weight	410g (0.9 lb)	345g (0.76 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

SCD-1020/1040

High Resolution Mini Dome Camera



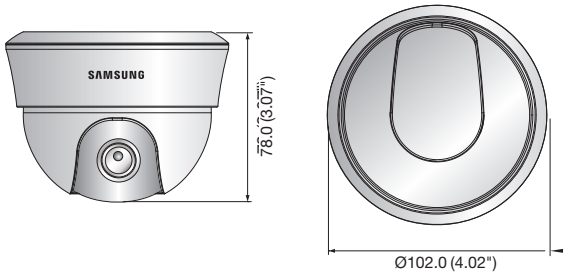


Key Features

- High resolution of 600TV lines
- Min. illumination 0.15Lux@F1.2
- Built-in fixed lens (3.6mm : SCD-1020, 8mm : SCD-1040)
- Coax : Pelco-C (Coaxitron), Dual power, 12V DC

Dimensions

Unit : mm (inch)



Technical Specifications

	SCD-1020P	SCD-1020PD	SCD-1040P	SCD-1040PD
VIDEO				
Imaging Device	1/3" Super HAD CCD II			
Total Pixels	795(H) x 596(V)			
Effective Pixels	752(H) x 582(V)			
Scanning System	2 : 1 Interlace			
Synchronization	Internal / Line lock	Internal	Internal / Line lock	Internal
Frequency	H : 15.625KHz / V : 50Hz			
Horizontal Resolution	Color : 600TV lines			
Min. Illumination	Color : 0.15Lux@F1.2 (50IRE)			
S / N Ratio	52dB (AGC off, Weight on)			
Video Output	CVBS : 1.0 Vp-p / 75Ω composite			
LENS				
Focal Length (Zoom Ratio)	3.6mm		8mm	
Max. Aperture Ratio	F2.0			
Angular Field of View	H : 56°/ V : 42°		H : 33.9°/ V : 25.6°	
Min. Object Distance	0.2m (0.66ft)			
Lens Type	Fixed			
Mount Type	Board type			
PAN / TILT				
Pan Range	0° ~ 349°			
Tilt Range	0° ~ 90°			
Rotate Range	0° ~ 338°			
OPERATIONAL				
On Screen Display	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese			
Camera Title	Off / On (Displayed 15 characters)			
Day & Night	Auto (Electrical) / Color / B/W			
Backlight Compensation	Off / BLC / HLC			
Contrast Enhancement	SSDR (Off / On)			
Digital Noise Reduction	2D DNR (Off / On)			
Privacy Masking	Off / On (4 programmable zones)			
Gain Control	Off / Low / High			
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K ~ 11,000°K)			
Electronic Shutter Speed	1/50 ~ 1/120,000sec			
Reverse	H-Rev			
Communication	Coaxial control (SPC-300 compatible)			
Protocol	Coax : Pelco-C (Coaxitron)			
ENVIRONMENTAL				
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH			
ELECTRICAL				
Input Voltage / Current	Dual (24V AC & 12V DC ±10%)	12V DC ±10%	Dual (24V AC & 12V DC ±10%)	12V DC ±10%
Power Consumption	Max. 2.3W	Max. 1.2W	Max. 2.4W	Max. 1.1W
MECHANICAL				
Color / Material	White / Plastic			
Dimensions (WxH)	Ø102.0 x 78.0mm (Ø4.02" x 3.07")			
Weight	322g (0.71 lb)	295g (0.65 lb)	340g (0.75 lb)	315g (0.69 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

WV

SCD-2080R

High Resolution IR Dome Camera



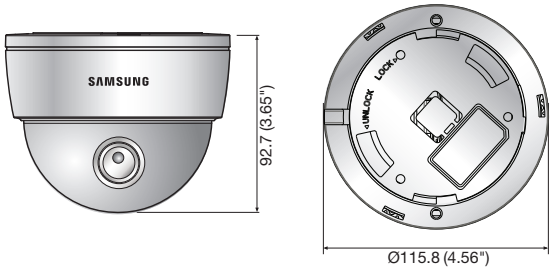


Key Features

- High resolution of 600TV lines (Color), 700TV lines (B/W)
- Min. illumination 0Lux (IR LED on), IR distance 20m
- 3.6x varifocal lens (2.8 ~ 10mm)
- True Day & Night (ICR), MD, SSNRIII
- Coax : Pelco-C (Coaxitron), 12V DC

Dimensions

Unit : mm (inch)



Technical Specifications

	SCD-2080RN	SCD-2080RP
VIDEO		
Imaging Device	1/3" Super HAD CCD II	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Scanning System	2 : 1 Interlace	
Synchronization	Internal	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 600TV lines, B/W : 700TV lines	
Min. Illumination	Color : 0.15Lux@F1.2 (50IRE), 0.0003Lux (Sens-up, 512x) B/W : 0Lux (IR LED on)	
S / N Ratio	52dB (AGC off, Weight on)	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	2.8 ~ 10mm (3.6x)	
Max. Aperture Ratio	1 : 1.2(Wide) ~ 2.8(Tele)	
Angular Field of View	H : 94.4°(Wide) ~ 28°(Tele) / V : 69.2°(Wide) ~ 21°(Tele)	
Min. Object Distance	0.2m (0.66ft)	
Lens Type	DC auto iris	
Mount Type	Board type	
PAN / TILT		
Pan Range	0° ~ 352°	
Tilt Range	0° ~ 73°	
Rotate Range	0° ~ 348°	
OPERATIONAL		
On Screen Display	English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese
Camera Title	Off / On (Displayed 15 characters)	
Day & Night	Auto (ICR) / Color / B/W	
Backlight Compensation	Off / BLC / HLC	
Contrast Enhancement	SSDR (Off / On)	
Digital Noise Reduction	SSNRIII (Off / On)	
Digital Image Stabilization	Off / On	
Motion Detection	Off / On	
Privacy Masking	Off / On (12 programmable zones)	
Sens-up (Frame Integration)	2x ~ 512x	
Gain Control	Off / Low / High	
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K ~ 11,000°K)	
Electronic Shutter Speed	1/60 ~ 1/120,000sec	1/50 ~ 1/120,000sec
Digital Zoom	Off / On (1x ~ 16x)	
Reverse	H-Rev / V-Rev	
Communication	Coaxial control (SPC-300 compatible)	
Protocol	Coax : Pelco-C (Coaxitron)	
IR Distance	20m (IR LED 12ea)	
ENVIRONMENTAL		
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH	
ELECTRICAL		
Input Voltage / Current	12V DC ±10%	
Power Consumption	Max. 3.5W	
MECHANICAL		
Color / Material	Ivory / Plastic (Dome cover : Smoked)	
Dimensions (WxH)	Ø115.8 x 92.7mm (Ø4.56" x 3.65")	
Weight	310g (0.68 lb)	

* The latest product information / specification can be found at www.samsungsecurity.com

SAMSUNG TECHWIN

SCD-2020R

High Resolution Small IR Dome Camera



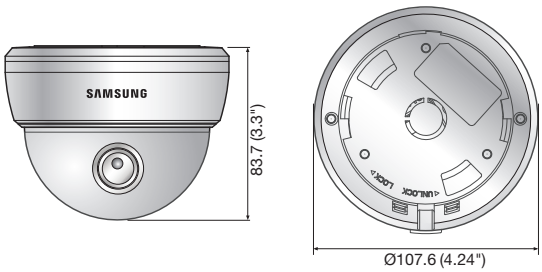


Key Features

- High resolution of 600TV lines (Color), 700TV lines (B/W)
- Min. illumination 0Lux (IR LED on), IR distance 7m
- Built-in fixed lens (3.6mm)
- True Day & Night (ICR), MD, SSNRIII
- Coax : Pelco-C (Coaxitron), 12V DC

Dimensions

Unit : mm (inch)



Technical Specifications

	SCD-2020RN	SCD-2020RP
VIDEO		
Imaging Device	1/3" Super HAD CCD II	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Scanning System	2 : 1 Interlace	
Synchronization	Internal	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 600TV lines, B/W : 700TV lines	
Min. Illumination	Color : 0.15Lux@F1.2 (50IRE), B/W : 0Lux (IR LED on)	
S / N Ratio	52dB (AGC off, Weight on)	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	3.6mm	
Max. Aperture Ratio	F2.0	
Angular Field of View	H : 66° / V : 49°	
Min. Object Distance	0.4m (1.31ft)	
Lens Type	Fixed	
Mount Type	Board type	
PAN / TILT		
Pan Range	0° ~ 352°	
Tilt Range	0° ~ 75°	
OPERATIONAL		
On Screen Display	English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese
Camera Title	Off / On (Displayed 15 characters)	
Day & Night	Auto (ICR) / Color / B/W	
Backlight Compensation	Off / BLC / HLC	
Contrast Enhancement	SSDR (Off / On)	
Digital Noise Reduction	SSNRIII (Off / On)	
Digital Image Stabilization	Off / On	
Motion Detection	Off / On	
Privacy Masking	Off / On (12 programmable zones)	
Sens-up (Frame Integration)	2x ~ 512x	
Gain Control	Off / Low / High	
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K ~ 11,000°K)	
Electronic Shutter Speed	1/60 ~ 1/120,000sec	1/50 ~ 1/120,000sec
Digital Zoom	Off / On (1x ~ 16x)	
Reverse	H-Rev / V-Rev	
Communication	Coaxial control (SPC-300 compatible)	
Protocol	Coax : Pelco-C (Coaxitron)	
IR Distance	7m (IR LED 8ea)	
ENVIRONMENTAL		
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH	
ELECTRICAL		
Input Voltage / Current	12V DC ±10%	
Power Consumption	Max. 2.5W	
MECHANICAL		
Color / Material	Ivory / Plastic (Dome cover : clear)	
Dimensions (WxH)	Ø107.6 x 83.7mm (Ø4.24" x 3.3")	
Weight	280g (0.62 lb)	

* The latest product information / specification can be found at www.samsungsecurity.com

SCD-1020R

Small IR Dome Camera





Key Features

- High resolution of 520TV lines
- Min. illumination 0Lux (IR LED on), IR distance 10m
- Built-in fixed lens (3.6mm)
- 12V DC

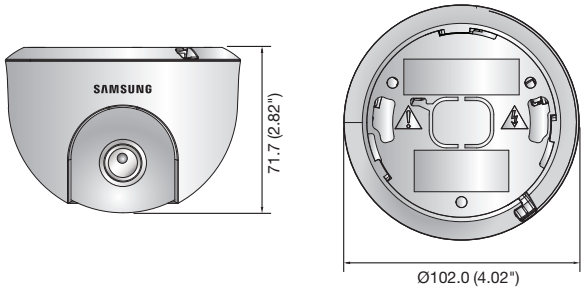
Technical Specifications

	SCD-1020RN	SCD-1020RP
VIDEO		
Imaging Device	1/4" CMOS	
Total Pixels	680(H) x 512(V)	
Effective Pixels	640(H) x 480(V)	
Scanning System	2 : 1 Interlace	
Synchronization	Internal	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 520TV lines	
Min. Illumination	0Lux (IR LED on)	
S / N Ratio	46dB (AGC off, Weight on)	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	3.6mm	
Max. Aperture Ratio	F2.0	
Angular Field of View	H : 56˚ / V : 42˚	
Min. Object Distance	0.2m (0.66ft)	
Lens Type	Fixed	
Mount Type	Board type	
PAN / TILT		
Pan Range	0° ~ 355°	
Tilt Range	0° ~ 60°	
OPERATIONAL		
Day & Night	Auto	
Digital Noise Reduction	Auto	
Gain Control	Auto	
White Balance	Auto (3200°K ~ 6500°K)	
Shutter Mode	Auto (Rolling shutter)	
IR Distance	10m (IR LED 12ea)	
ENVIRONMENTAL		
Operating Temperature / Humidity	0°C ~ +40°C (+32°F ~ +104°F) / 20% ~ 85% RH	
ELECTRICAL		
Input Voltage / Current	12V DC ±10%	
Power Consumption	Max. 2.2W	
MECHANICAL		
Color / Material	White / Plastic (Dome cover : clear)	
Dimensions (WxH)	Ø102.0 x 71.7mm (Ø4.02" x 2.82")	
Weight	180g (0.40 lb)	

* The latest product information / specification can be found at www.samsungsecurity.com

Dimensions

Unit : mm (inch)



SAMSUNG TECHWIN

SCV-3120

High Resolution 12x WDR Vandal-Resistant Dome Camera



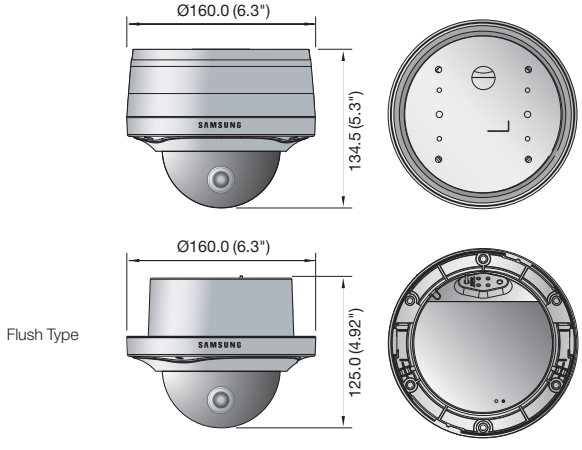


Key Features

- High resolution of 600TV lines (Color), 700TV lines (B/W)
- Min. illumination 0.7Lux@F1.65 (Color), 0.07Lux (B/W)
- Powerful 12x zoom (3.6 ~ 44.3mm), digital 16x
- WDR, VPS, True Day & Night (ICR), Intelligent video analytics, MD
- IP66, IK10, Coax : CCVC, RS-485, Dual power

Dimensions

Unit : mm (inch)



Accessories (Optional)



SBP-301HM3 SBP-300LM SBP-300CM SBP-300WM1 SBP-300WM SBP-300B SBP-300PM SBP-300KM

Technical Specifications

	SCV-3120N	SCV-3120P
VIDEO		
Imaging Device	1/4" Ex-view HAD CCD (Double scan)	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Scanning System	2 : 1 Interlace	
Synchronization	Internal / Line lock	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 600TV lines, B/W : 700TV lines	
Min. Illumination	Color : 0.7Lux@F1.65 (50IRE), 0.001Lux (Sens-up, 512x) B/W : 0.07Lux@F1.65 (50IRE), 0.0001Lux (Sens-up, 512x)	
S / N Ratio	52dB (AGC off, Weight on)	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	3.6 ~ 44.3mm (12x)	
Max. Aperture Ratio	1 : 1.65(Wide) ~ 3.7(Tele)	
Angular Field of View	H : 54.44°(Wide) ~ 4.64°(Tele) / V : 41.42°(Wide) ~ 3.52°(Tele)	
Min. Object Distance	1m (3.28ft)	
Focus Control	Auto / Manual / One-AF	
Zoom Movement Speed	1.9sec (Wide to tele)	
PAN / TILT		
Pan Range	0° ~ 355°	
Tilt Range	0° ~ 90°	
Rotate Range	0° ~ 355°	
OPERATIONAL		
On Screen Display	English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese
Camera Title	Off / On (Displayed 54 characters)	
Day & Night	Day / Night / Auto (ICR) / External	
Backlight Compensation	Off / On (Area setting)	
Wide Dynamic Range	52dB	54dB
Contrast Enhancement	XDR (Off / Low / Mid / High)	
Digital Noise Reduction	Adaptive 3D+2D (Off / Low / Mid / High / User)	
Digital Image Stabilization	Off / On	
Motion Detection	Off / Tracking / Detection	
Privacy Masking	Off / On (12 programmable zones with polygonal masking)	
Sens-up (Frame Integration)	2x ~ 512x	
Gain Control	Off / On	
White Balance	ATW1 / ATW2 / AWC (Manual) / 3200°K / 5600°K	
Electronic Shutter Speed	1/60 ~ 1/120,000sec	1/50 ~ 1/120,000sec
Digital Zoom	Off / On (1x ~ 16x)	
Reverse	H-Rev / V-Rev / HV-Rev	
Profile	Standard / ITS / Backlight / Day & Night / Gaming / Custom	
VPS	Off / On	
Intelligent Video Analytics	Fixed / Moved	
PIP	Off / On	
Alarm	1 Out	
Communication	Coaxial control (SPC-300 compatible), RS-485	
Protocol	Coax : CCVC RS-485 : Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon	
ENVIRONMENTAL		
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH	
Ingress Protection	IP66 grade	
Vandal Resistance	IK10	
ELECTRICAL		
Input Voltage / Current	Dual (24V AC & 12V DC ±10%)	
Power Consumption	Max. 6W	
MECHANICAL		
Color / Material	Ivory / Aluminum, Plastic (Dome cover : Clear)	
Dimensions (WxH)	Ø160.0 x 134.5mm (Ø6.3" x 5.3")	
Weight	1.28Kg (2.82 lb)	

* The latest product information / specification can be found at www.samsungsecurity.com

SCV-2120

High Resolution 12x Vandal-Resistant Dome Camera



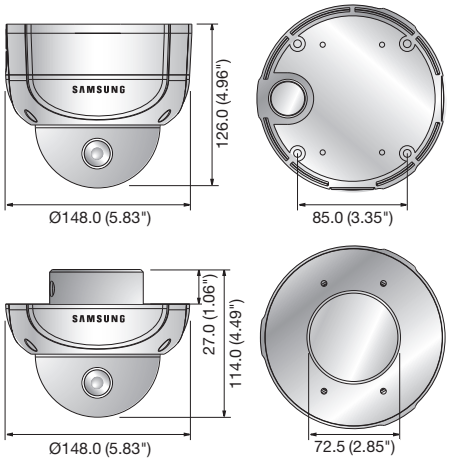
600TVL | 0.2Lux | 12x A/F Lens | D&N ICR

Key Features

- High resolution of 600TV lines (Color), 700TV lines (B/W)
- Min. illumination 0.2Lux@F1.67 (Color), 0.02Lux (B/W)
- Powerful 12x zoom (3.9 ~ 46mm), Digital 16x
- MD, SSNRIII
- IP66, IK10, Coax : Pelco-C (Coaxitron), RS-485, Dual power

Dimensions

Unit : mm (inch)



Accessories (Optional)



SBP-301HM3 SBP-300LM SBP-300CM SBP-300WM1 SBP-300WM SBP-300B SBP-300PM SBP-300KM

Technical Specifications

	SCV-2120N	SCV-2120P
VIDEO		
Imaging Device	1/4" Super HAD CCD II	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Scanning System	2 : 1 Interlace	
Synchronization	Internal / Line lock	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 600TV lines, B/W : 700TV lines	
Min. Illumination	Color : 0.2Lux@F1.67 (50IRE), 0.0004Lux (Sens-up, 512x) B/W : 0.02Lux@F1.67 (50IRE), 0.00004Lux (Sens-up, 512x)	
S / N Ratio	52dB (AGC off, Weight on)	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	3.9 ~ 46mm (Optical 12x)	
Max. Aperture Ratio	1 : 1.67(Wide) ~ 1.88(Tele)	
Angular Field of View	H : 51.54°(Wide) ~ 4.5°(Tele) / V : 39.24°(Wide) ~ 3.38°(Tele)	
Min. Object Distance	1.8m (5.91ft)	
Focus Control	Auto / Manual / One shot	
Zoom Movement Speed	1.9sec (Wide to tele)	
PAN / TILT		
Pan Range	0° ~ 340°	
Tilt Range	0° ~ 146°	
Rotate Range	0° ~ 340°	
OPERATIONAL		
On Screen Display	English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese
Camera Title	Off / On (Displayed 15 characters)	
Day & Night	Auto (ICR) / Color / B/W	
Backlight Compensation	Off / BLC / HLC	
Contrast Enhancement	SSDR (Off / On)	
Digital Noise Reduction	SSNRIII (Off / On)	
Digital Image Stabilization	Off / On	
Motion Detection	Off / On	
Privacy Masking	Off / On (12 programmable zones)	
Sens-up (Frame Integration)	2x ~ 512x	
Gain Control	Off / On	
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K ~ 11,000°K)	
Electronic Shutter Speed	1/60 ~ 1/120,000sec	1/50 ~ 1/120,000sec
Digital Zoom	Off / On (1x ~ 16x)	
Reverse	H-Rev / V-Rev	
Communication	Coaxial control (SPC-300 compatible), RS-485	
Protocol	Coax : Pelco-C (Coaxitron) RS-485 : Samsung-T/E, Pelco-D/P, Vicon, Honeywell, Panasonic, Bosch, AD	
ENVIRONMENTAL		
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH	
Ingress Protection	IP66 grade	
Vandal Resistance	IK10	
ELECTRICAL		
Input Voltage / Current	Dual (24V AC & 12V DC ±10%)	
Power Consumption	Max. 3.5W	
MECHANICAL		
Color / Material	Ivory / Aluminum, Plastic (Dome cover : Clear)	
Dimensions (WxH)	Ø148.0 x 126.0mm (Ø5.83" x 4.96")	
Weight	1.38Kg (3.04 lb)	

* The latest product information / specification can be found at www.samsungsecurity.com

SCV-3082

Premium Resolution WDR Vandal-Resistant Dome Camera



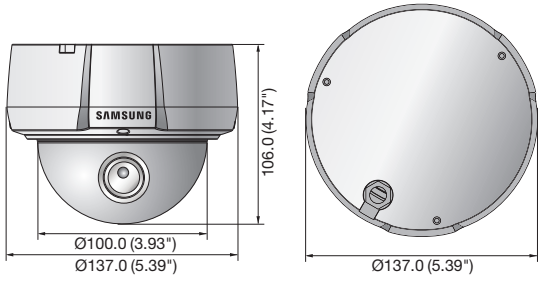
650TVL | 0.1 Lux | 3.9x V/F Lens | D&N ICR | WDR 52dB 54dB

Key Features

- High resolution of 650TV lines, 700TV lines (B/W)
- Min. illumination 0.1Lux@F1.2 (Color), 0.01Lux (B/W)
- 3.9x varifocal lens (2.8 ~ 11mm)
- WDR, VPS, Day & Night (ICR), Intelligent video
- True Day & Night (ICR), MD, SSNRIII
- IP66, IK10, Coax : Pelco-C (Coaxitron), Dual power

Dimensions

Unit : mm (inch)



Accessories (Optional)



SBP-301HM2 SBP-300LM SBP-300CM SBP-300WM1 SBP-300WM SBP-300B SBP-300PM SBP-300KM

Technical Specifications

	SCV-3082N	SCV-3082P
VIDEO		
Imaging Device	1/3" Super HAD CCD II (Double scan)	
Total Pixels	1,028(H) x 508(V)	1,028(H) x 596(V)
Effective Pixels	976(H) x 494(V)	976(H) x 582(V)
Scanning System	2 : 1 Interlace	
Synchronization	Internal / Line lock	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 650TV lines, B/W : 700TV lines	
Min. Illumination	Color : 0.1Lux@ F1.2 (50IRE), 0.0002Lux (Sens-up, 512x) B/W : 0.01Lux@ F1.2 (50IRE), 0.00002Lux (Sens-up, 512x)	
S / N Ratio	52dB (AGC off, Weight on)	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	2.8 ~ 11mm (3.9x)	
Max. Aperture Ratio	1 : 1.2(Wide) ~ 2.8(Tele)	
Angular Field of View	H : 94°(Wide) ~ 26°(Tele) / V : 67°(Wide) ~ 20°(Tele)	
Min. Object Distance	0.2m (0.66ft)	
Lens Type	DC auto iris	
Mount Type	Board type	
PAN / TILT		
Pan Range	0° ~ 352°	
Tilt Range	0° ~ 73°	
Rotate Range	0° ~ 348°	
OPERATIONAL		
On Screen Display	English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese
Camera Title	Off / On (Displayed 15 characters)	
Day & Night	Auto (ICR) / External / Color / B/W	
Backlight Compensation	Off / User BLC / HLC / WDR	
Wide Dynamic Range	52dB	54dB
Contrast Enhancement	SSDR (Off / On)	
Digital Noise Reduction	SSNRIII (Off / On)	
Digital Image Stabilization	Off / On	
Motion Detection	Off / On	
Privacy Masking	Off / On (12 programmable zones)	
Sens-up (Frame Integration)	2x ~ 512x	
Gain Control	Off / Low / High	
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K ~ 11,000°K)	
Electronic Shutter Speed	1/60 ~ 1/120,000sec	1/50 ~ 1/120,000sec
Digital Zoom	Off / On (1x ~ 16x)	
Reverse	Off / H-Rev / V-Rev / HV-Rev	
Profile	Basic / Day & Night / Backlight / ITS / Indoor / User	
VPS	Off / On	
Intelligent Video Analytics	Fixed / Moved, Fence, Tracking, Counting	
PIP	Off / On	
Alarm	1 Out	
Communication	Coaxial control (SPC-300 compatible)	
Protocol	Coax : Pelco-C (Coaxitron)	
ENVIRONMENTAL		
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH	
Ingress Protection	IP66 grade	
Vandal Resistance	IK10	
ELECTRICAL		
Input Voltage / Current	Dual (24V AC & 12V DC ±10%)	
Power Consumption	Max. 3.5W	
MECHANICAL		
Color / Material	Ivory / Aluminum, Plastic (Dome cover : Clear)	
Dimensions (WxH)	Ø137.0 x 106.0mm (Ø5.39" x 4.17")	
Weight	721g (1.59 lb)	

* The latest product information / specification can be found at www.samsungsecurity.com

SCV-3081/2081

High Resolution Vandal-Resistant Dome Camera



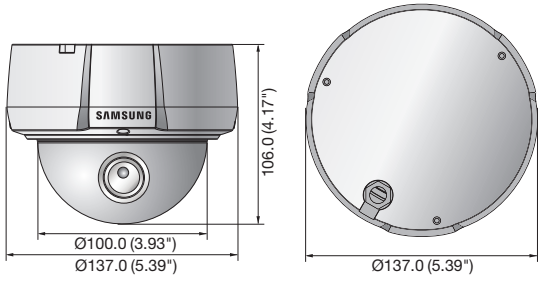
600TVL | 0.3Lux 0.15Lux | 3.9x 3.6x V/F Lens | D&N ICR | WDR 52dB 54dB

Key Features

- High resolution of 600TV lines (Color), 700TV lines (B/W)
- Min. illumination 0.3Lux@F1.2 (Color), 0.01Lux (B/W) : SCV-3081
  0.15Lux@F1.2 (Color), 0.001Lux (B/W) : SCV-2081
- 3.9x varifocal lens (2.8 ~ 11mm) : SCV-3081
  3.6x varifocal lens (2.8 ~ 10mm) : SCV-2081
- WDR, VPS, Intelligent video analytics : SCV-3081
- True Day & Night (ICR), MD, SSNRIII
- IP66, IK10, Coax : Pelco-C (Coaxitron), Dual power

Dimensions

Unit : mm (inch)



Accessories (Optional)



SBP-301HM2 SBP-300LM SBP-300CM SBP-300WM1 SBP-300WM SBP-300B SBP-300PM SBP-300KM

Technical Specifications

	SCV-3081N/2081N	SCV-3081P/2081P
VIDEO		
Imaging Device	1/3" Super HAD CCD (Double scan) : SCV-3081, 1/3" Super HAD CCD II : SCV-2081	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Scanning System	2 : 1 Interlace	
Synchronization	Internal / Line lock	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 600TV lines, B/W : 700TV lines	
Min. Illumination	Color : 0.3Lux@ F1.2 (50IRE), 0.0006Lux (Sens-up, 512x) : SCV-3081 0.15Lux@ F1.2 (50IRE), 0.0003Lux (Sens-up, 512x) : SCV-2081 B/W : 0.01Lux@ F1.2 (50IRE), 0.00002Lux (Sens-up, 512x) : SCV-3081 0.001Lux@ F1.2 (50IRE), 0.000002Lux (Sens-up, 512x) : SCV-2081	
S / N Ratio	52dB (AGC off, Weight on)	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	2.8 ~ 11mm (3.9x) : SCV-3081, 2.8 ~ 10mm (3.6x) : SCV-2081	
Max. Aperture Ratio	1 : 1.2(Wide) ~ 2.8(Tele)	
Angular Field of View	H : 94°(Wide) ~ 26°(Tele) / V : 67°(Wide) ~ 20°(Tele) : SCV-3081 H : 94.4°(Wide) ~ 28°(Tele) / V : 69.2°(Wide) ~ 21°(Tele) : SCV-2081	
Min. Object Distance	0.2m (0.66ft)	
Lens Type	DC auto iris	
Mount Type	Board type	
PAN / TILT		
Pan Range	0° ~ 352°	
Tilt Range	0° ~ 73°	
Rotate Range	0° ~ 348°	
OPERATIONAL		
On Screen Display	English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese
Camera Title	Off / On (Displayed 15 characters)	
Day & Night	Auto (ICR) / External / Color / B/W : SCV-3081, Auto (ICR) / Color / B/W : SCV-2081	
Backlight Compensation	Off / User BLC / HLC / WDR : SCV-3081, Off / BLC / HLC : SCV-2081	
Wide Dynamic Range	52dB : SCV-3081	54dB : SCV-3081
Contrast Enhancement	SSDR (Off / On)	
Digital Noise Reduction	SSNRIII (Off / On)	
Digital Image Stabilization	Off / On	
Motion Detection	Off / On	
Privacy Masking	Off / On (12 programmable zones)	
Sens-up (Frame Integration)	2x ~ 512x	
Gain Control	Off / Low / High	
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K ~ 11,000°K)	
Electronic Shutter Speed	1/60 ~ 1/120,000sec	1/50 ~ 1/120,000sec
Digital Zoom	Off / On (1x ~ 16x)	
Reverse	Off / H-Rev / V-Rev / HV-Rev : SCV-3081, H-Rev / V-Rev : SCV-2081	
Profile	Basic / Day & Night / Backlight / ITS / Indoor / User : SCV-3081	
VPS	Off / On : SCV-3081	
Intelligent Video Analytics	Fixed / Moved, Area, Fence, Tracking, Counting : SCV-3081	
PIP	Off / On : SCV-3081	
Alarm	1 Out : SCV-3081	
Communication	Coaxial control (SPC-300 compatible)	
Protocol	Coax : Pelco-C (Coaxitron)	
ENVIRONMENTAL		
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH	
Ingress Protection	IP66 grade	
Vandal Resistance	IK10	
ELECTRICAL		
Input Voltage / Current	Dual (24V AC & 12V DC ±10%)	
Power Consumption	Max. 3.5W	
MECHANICAL		
Color / Material	Ivory / Aluminum, Plastic (Dome cover : Clear)	
Dimensions (WxH)	Ø137.0 x 106.0mm (Ø5.39" x 4.17")	
Weight	740g (1.63 lb) : SCV-3081, 710g (1.57 lb) : SCV-2081	

* The latest product information / specification can be found at www.samsungsecurity.com

SCV-3080/2080

High Resolution Vandal-Resistant Dome Camera



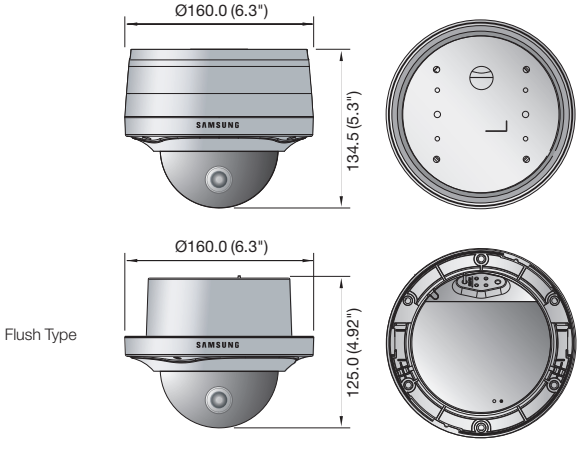


Key Features

- High resolution of 600TV lines (Color), 700TV lines (B/W)
- Min. illumination 0.3Lux@F1.2 (Color), 0.01Lux (B/W) : SCV-3080
  0.15Lux@F1.2 (Color), 0.001Lux (B/W) : SCV-2080
- 3.9x varifocal lens (2.8 ~ 11mm) : SCV-3080
  3.6x varifocal lens (2.8 ~ 10mm) : SCV-2080
- WDR, VPS, Intelligent video analytics : SCV-3080
- True Day & Night (ICR), MD, SSNRIII
- IP66, IK10, Coax : Pelco-C (Coaxitron), Dual power

Dimensions

Unit : mm (inch)



Accessories (Optional)



SBP-301HM3 SBP-300LM SBP-300CM SBP-300WM1 SBP-300WM SBP-300B SBP-300PM SBP-300KM

Technical Specifications

	SCV-3080N/2080N	SCV-3080P/2080P
VIDEO		
Imaging Device	1/3" Super HAD CCD (Double scan) : SCV-3080, 1/3" Super HAD CCD II : SCV-2080	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Scanning System	2 : 1 Interlace	
Synchronization	Internal / Line lock	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 600TV lines, B/W : 700TV lines	
Min. Illumination	Color : 0.3Lux@ F1.2 (50IRE), 0.0006Lux (Sens-up, 512x) : SCV-3080 0.15Lux@ F1.2 (50IRE), 0.0003Lux (Sens-up, 512x) : SCV-2080 B/W : 0.01Lux@ F1.2 (50IRE), 0.00002Lux (Sens-up, 512x) : SCV-3080 0.001Lux@ F1.2 (50IRE), 0.000002Lux (Sens-up, 512x) : SCV-2080	
S / N Ratio	52dB (AGC off, Weight on)	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	2.8 ~ 11mm (3.9x) : SCV-3080, 2.8 ~ 10mm (3.6x) : SCV-2080	
Max. Aperture Ratio	1 : 1.2(Wide) ~ 2.8(Tele)	
Angular Field of View	H : 102°(Wide) ~ 28°(Tele) / V : 73°(Wide) ~ 21°(Tele) : SCV-3080 H : 94.4°(Wide) ~ 28°(Tele) / V : 69.2°(Wide) ~ 21°(Tele) : SCV-2080	
Min. Object Distance	0.2m (0.66ft)	
Lens Type	DC auto iris	
Mount Type	Board type	
PAN / TILT		
Pan Range	0° ~ 355°	
Tilt Range	0° ~ 90°	
Rotate Range	0° ~ 355°	
OPERATIONAL		
On Screen Display	English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese
Camera Title	Off / On (Displayed 15 characters)	
Day & Night	Auto (ICR) / External / Color / B/W : SCV-3080, Auto (ICR) / Color / B/W : SCV-2080	
Backlight Compensation	Off / User BLC / HLC / WDR : SCV-3080, Off / BLC / HLC : SCV-2080	
Wide Dynamic Range	52dB : SCV-3080	54dB : SCV-3080
Contrast Enhancement	SSDR (Off / On)	
Digital Noise Reduction	SSNRIII (Off / On)	
Digital Image Stabilization	Off / On	
Motion Detection	Off / On	
Privacy Masking	Off / On (12 programmable zones)	
Sens-up (Frame Integration)	2x ~ 512x	
Gain Control	Off / Low / High	
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K ~ 11,000°K)	
Electronic Shutter Speed	1/60 ~ 1/120,000sec	1/50 ~ 1/120,000sec
Digital Zoom	Off / On (1x ~ 16x)	
Reverse	Off / H-Rev / V-Rev / HV-Rev : SCV-3080, H-Rev / V-Rev : SCV-2080	
Profile	Basic / Day & Night / Backlight / ITS / Indoor / User : SCV-3080	
VPS	Off / On : SCV-3080	
Intelligent Video Analytics	Fixed / Moved, Area, Fence, Tracking, Counting : SCV-3080	
PIP	Off / On : SCV-3080	
Alarm	1 Out : SCV-3080	
Communication	Coaxial control (SPC-300 compatible)	
Protocol	Coax : Pelco-C (Coaxitron)	
ENVIRONMENTAL		
Operating Temperature / Humidity	-50°C ~ +55°C (-58°F ~ +131°F) / Less than 90% RH	
Ingress Protection	IP66 grade	
Vandal Resistance	IK10	
ELECTRICAL		
Input Voltage / Current	Dual (24V AC & 12V DC ±10%), Built-in fan & heater (24V AC±10%)	
Power Consumption	Max. 3.8W / Max. 8W (Fan & heater on) : SCV-3080, Max. 4.0W / Max. 8.3W (Fan & heater on) : SCV-2080	
MECHANICAL		
Color / Material	Ivory / Aluminum, Plastic (Dome cover : Clear)	
Dimensions (WxH)	Ø160.0 x 134.5mm (Ø6.3" x 5.3")	
Weight	1.26Kg (2.78 lb)	

* The latest product information / specification can be found at www.samsungsecurity.com

SAMSUNG TECHWIN

SCV-2060

High Resolution Vandal-Resistant Dome Camera



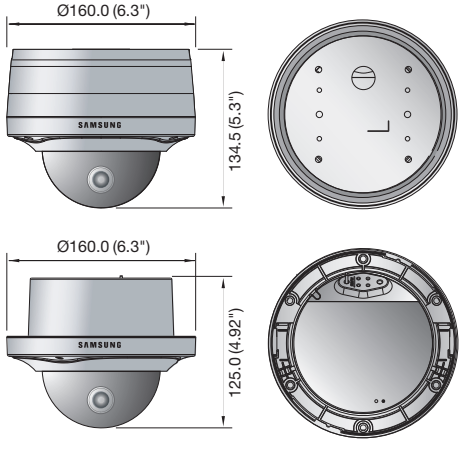
600TVL | 0.15Lux | 2.4x V/F Lens | D&N ICR

Key Features

- High resolution of 600TV lines (Color), 700TV lines (B/W)
- Min. illumination 0.15Lux@F1.2 (Color), 0.001Lux (B/W)
- 2.4x varifocal lens (2.5 ~ 6mm)
- True Day & Night (ICR), MD, SSNRIII
- IP66, IK10, Coax : Pelco-C (Coaxitron), Dual power

Dimensions

Unit : mm (inch)



Accessories (Optional)



SBP-301HM3 SBP-300LM SBP-300CM SBP-300WM1 SBP-300WM SBP-300B SBP-300PM SBP-300KM

Technical Specifications

	SCV-2060N	SCV-2060P
VIDEO		
Imaging Device	1/3" Super HAD CCD II	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Scanning System	2 : 1 Interlace	
Synchronization	Internal / Line lock	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 600TV lines, B/W : 700TV lines	
Min. Illumination	Color : 0.15Lux@F1.2 (50IRE), 0.0003Lux (Sens-up, 512x) B/W : 0.001Lux@F1.2 (50IRE), 0.000002Lux (Sens-up, 512x)	
S / N Ratio	52dB (AGC off, Weight on)	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	2.5 ~ 6mm (2.4x)	
Max. Aperture Ratio	1 : 1.2(Wide) ~ 1.7(Tele)	
Angular Field of View	H : 103.4°(Wide) ~ 46.6°(Tele) / V : 77.6°(Wide) ~ 35.1°(Tele)	
Lens Type	DC auto iris	
Mount Type	Board type	
PAN / TILT		
Pan Range	0° ~ 355°	
Tilt Range	0° ~ 90°	
Rotate Range	0° ~ 355°	
OPERATIONAL		
On Screen Display	English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese
Camera Title	Off / On (Displayed 15 characters)	
Day & Night	Auto (ICR) / Color / B/W	
Backlight Compensation	Off / BLC / HLC	
Contrast Enhancement	SSDR (Off / On)	
Digital Noise Reduction	SSNRIII (Off / On)	
Digital Image Stabilization	Off / On	
Motion Detection	Off / On	
Privacy Masking	Off / On (12 programmable zones)	
Sens-up (Frame Integration)	2x ~ 512x	
Gain Control	Off / Low / High	
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K ~ 11,000°K)	
Electronic Shutter Speed	1/60 ~ 1/120,000sec	1/50 ~ 1/120,000sec
Digital Zoom	Off / On (1x ~ 16x)	
Reverse	H-Rev / V-Rev	
Communication	Coaxial control (SPC-300 compatible)	
Protocol	Coax : Pelco-C (Coaxitron)	
ENVIRONMENTAL		
Operating Temperature / Humidity	-50°C ~ +55°C (-58°F ~ +131°F) / Less than 90% RH	
Ingress Protection	IP66 grade	
Vandal Resistance	IK10	
ELECTRICAL		
Input Voltage / Current	Dual (24V AC & 12V DC ±10%), Built-in fan & heater (24V AC ±10%)	
Power Consumption	Max. 3.8W / Max. 7.8W (Fan & heater on)	
MECHANICAL		
Color / Material	Ivory / Aluminum, Plastic (Dome cover : Clear)	
Dimensions (WxH)	Ø160.0 x 134.5mm (Ø6.3" x 5.3")	
Weight	1.28Kg (2.82 lb)	

* The latest product information / specification can be found at www.samsungsecurity.com

SAMSUNG TECHWIN

SCV-2081R

High Resolution Vandal-Resistant IR Dome Camera



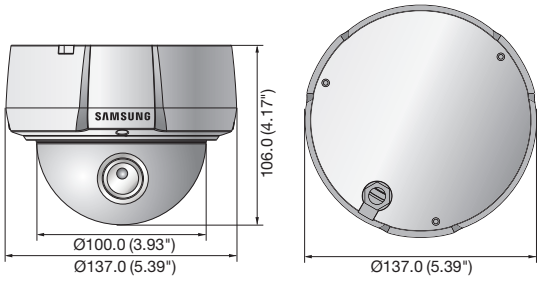
600TVL | 0Lux | 3.6x V/F Lens | D&N ICR | IR LED

Key Features

- High resolution of 600TV lines, 700TV lines (B/W)
- Min. illumination 0Lux (IR LED on), IR distance 20m
- 3.6x varifocal lens (2.8 ~ 10mm)
- True Day & Night (ICR), MD, SSNRIII
- IP66, IK10, Coax : Pelco-C (Coaxitron), Dual power

Dimensions

Unit : mm (inch)



Accessories (Optional)



SBP-301HM2 SBP-300LM SBP-300CM SBP-300WM1 SBP-300WM SBP-300B SBP-300PM SBP-300KM

Technical Specifications

	SCV-2081RN	SCV-2081RP
VIDEO		
Imaging Device	1/3" Super HAD CCD II	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Scanning System	2 : 1 Interlace	
Synchronization	Internal / Line lock	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 600TV lines, B/W : 700TV lines	
Min. Illumination	Color : 0.15Lux@F1.2 (50IRE), 0.0003Lux (Sens-up, 512x) B/W : 0Lux (IR LED on)	
S / N Ratio	52dB (AGC off, Weight on)	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	2.8 ~ 10mm (3.6x)	
Max. Aperture Ratio	1 : 1.2(Wide) ~ 2.8(Tele)	
Angular Field of View	H : 94.4°(Wide) ~ 28°(Tele) / V : 69.2°(Wide) ~ 21°(Tele)	
Lens Type	DC auto iris	
Mount Type	Board type	
PAN / TILT		
Pan Range	0° ~ 352°	
Tilt Range	0° ~ 73°	
Rotate Range	0° ~ 348°	
OPERATIONAL		
On Screen Display	English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese
Camera Title	Off / On (Displayed 15 characters)	
Day & Night	Auto (ICR) / Color / B/W	
Backlight Compensation	Off / BLC / HLC	
Contrast Enhancement	SSDR (Off / On)	
Digital Noise Reduction	SSNRIII (Off / On)	
Digital Image Stabilization	Off / On	
Motion Detection	Off / On	
Privacy Masking	Off / On (12 programmable zones)	
Sens-up (Frame Integration)	2x ~ 512x	
Gain Control	Off / Low / High	
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K ~ 11,000°K)	
Electronic Shutter Speed	1/60 ~ 1/120,000sec	1/50 ~ 1/120,000sec
Digital Zoom	Off / On (1x ~ 16x)	
Reverse	H-Rev / V-Rev	
Communication	Coaxial control (SPC-300 compatible)	
Protocol	Coax : Pelco-C (Coaxitron)	
IR Distance	20m (IR LED 20ea)	
ENVIRONMENTAL		
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH	
Ingress Protection	IP66 grade	
Vandal Resistance	IK10	
ELECTRICAL		
Input Voltage / Current	Dual (24V AC & 12V DC ±10%)	
Power Consumption	Max. 3W / Max. 4W (IR LED on)	
MECHANICAL		
Color / Material	Ivory / Aluminum, Plastic (Dome cover : Smoked)	
Dimensions (WxH)	Ø137.0 x 106.0mm (Ø5.39" x 4.17")	
Weight	710g (1.57 lb)	

* The latest product information / specification can be found at www.samsungsecurity.com

SAMSUNG TECHWIN

SCV-2080R

High Resolution Vandal-Resistant IR Dome Camera



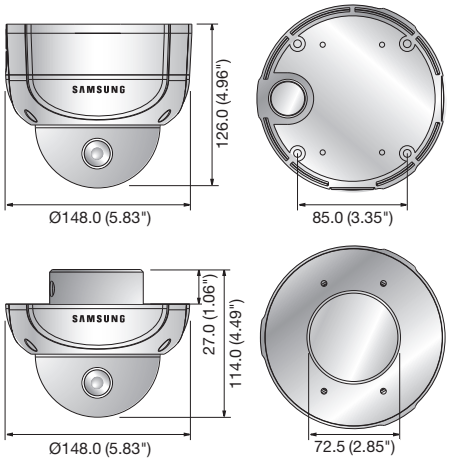


Key Features

- High resolution of 600TV lines, 700TV lines (B/W)
- Min. illumination 0Lux (IR LED on), IR distance 30m
- 3.6x varifocal lens (2.8 ~ 10mm)
- True Day & Night (ICR), MD, SSNRIII
- IP66, IK10, Coax : Pelco-C (Coaxitron), RS-485, Dual power

Dimensions

Unit : mm (inch)



Accessories (Optional)



SBP-301HM3 SBP-300LM SBP-300CM SBP-300WM1 SBP-300WM SBP-300B SBP-300PM SBP-300KM

Technical Specifications

	SCV-2080RN	SCV-2080RP
VIDEO		
Imaging Device	1/3" Super HAD CCD II	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Scanning System	2 : 1 Interlace	
Synchronization	Internal / Line lock	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 600TV lines, B/W : 700TV lines	
Min. Illumination	Color : 0.15Lux@F1.2 (50IRE), 0.0003Lux (Sens-up, 512x) B/W : 0Lux (IR LED on)	
S / N Ratio	52dB (AGC off, Weight on)	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	2.8 ~ 10mm (3.6x)	
Max. Aperture Ratio	1 : 1.2(Wide) ~ 2.8(Tele)	
Angular Field of View	H : 94.4°(Wide) ~ 28°(Tele) / V : 69.2°(Wide) ~ 21°(Tele)	
Min. Object Distance	0.2m (0.66ft)	
Lens Type	DC auto iris	
Mount Type	Board type	
PAN / TILT		
Pan Range	0° ~ 340°	
Tilt Range	0° ~ 146°	
Rotate Range	0° ~ 340°	
OPERATIONAL		
On Screen Display	English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese
Camera Title	Off / On (Displayed 15 characters)	
Day & Night	Auto (ICR) / Color / B/W	
Backlight Compensation	Off / BLC / HLC	
Contrast Enhancement	SSDR (Off / On)	
Digital Noise Reduction	SSNRIII (Off / On)	
Digital Image Stabilization	Off / On	
Motion Detection	Off / On	
Privacy Masking	Off / On (12 programmable zones)	
Sens-up (Frame Integration)	2x ~ 512x	
Gain Control	Off / Low / High	
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K ~ 11,000°K)	
Electronic Shutter Speed	1/60 ~ 1/120,000sec	1/50 ~ 1/120,000sec
Digital Zoom	Off / On (1x ~ 16x)	
Reverse	H-Rev / V-Rev	
Communication	Coaxial control (SPC-300 compatible), RS-485	
Protocol	Coax : Pelco-C (Coaxitron) RS-485 : Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon	
IR Distance	30m (IR LED 10ea)	
ENVIRONMENTAL		
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH	
Ingress Protection	IP66 grade	
Vandal Resistance	IK10	
ELECTRICAL		
Input Voltage / Current	Dual (24V AC & 12V DC ±10%)	
Power Consumption	Max. 5W	
MECHANICAL		
Color / Material	Ivory / Aluminum, Plastic (Dome cover : Smoked)	
Dimensions (WxH)	Ø148.0 x 126.0mm (Ø5.83" x 4.96")	
Weight	1.3Kg (2.87 lb)	

* The latest product information / specification can be found at www.samsungsecurity.com

SAMSUNG TECHWIN

SCP-3430H/2430H

High Resolution 43x Weatherproof PTZ Dome Camera



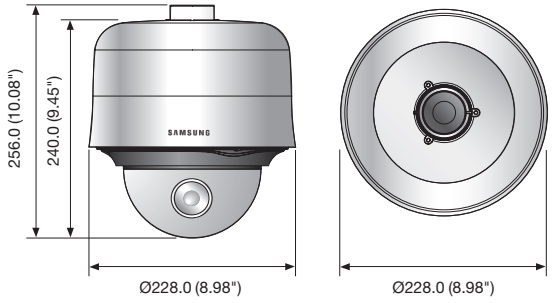
600TVL | 0.7Lux 0.2Lux | 43x A/F Lens | D&N ICR | WDR 52dB 54dB

Key Features

- High resolution of 600TV lines (Color), 700TV lines (B/W)
- Min. illumination 0.7Lux@F1.65 (Color), 0.07Lux (B/W) : SCP-3430H
  0.2Lux@F1.65 (Color), 0.02Lux (B/W) : SCP-2430H
- Powerful 43x zoom (3.2 ~ 138.5mm), Digital 16x
- WDR, VPS : SCP-3430H, True Day & Night (ICR)
  Intelligent video analytics, MD, DNR
- IP66, IK10, Coax : CCVC, RS-485/422, 24V AC

Dimensions

Unit : mm (inch)



Accessories (Optional)



SBP-300WM1 SBP-300WM SBP-300CM SBP-300LM SBP-300B SBP-300PM SBP-300KM

Technical Specifications

	SCP-3430HN/2430HN	SCP-3430HP/2430HP
VIDEO		
Imaging Device	1/4" Ex-view HAD CCD (Double scan) : SCP-3430H, 1/4" Super HAD CCD II : SCP-2430H	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Scanning System	2 : 1 Interlace	
Synchronization	Internal / Line lock	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 600TV lines, B/W : 700TV lines	
Min. Illumination	Color : 0.7Lux@F1.65 (50IRE), 0.001Lux (Sens-up, 512x) : SCP-3430H 0.2Lux@F1.65 (50IRE), 0.0004Lux (Sens-up, 512x) : SCP-2430H B/W : 0.07Lux@F1.65 (50IRE), 0.0002Lux (Sens-up, 512x) : SCP-3430H 0.02Lux@F1.65 (50IRE), 0.00004Lux (Sens-up, 512x) : SCP-2430H	
S / N Ratio	52dB (AGC off, Weight on)	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	3.2 ~ 138.5mm (Optical 43x)	
Max. Aperture Ratio	1 : 1.65(Wide) ~ 3.7(Tele)	
Angular Field of View	H : 61.22°(Wide) ~ 1.47°(Tele) / V : 47.16°(Wide) ~ 1.1°(Tele)	
Min. Object Distance	1m (3.28ft)	
Focus Control	Auto / Manual / One AF	
Zoom Movement Speed	3.2sec (Wide to tele)	
PAN / TILT		
Pan Range	360° Endless	
Pan Speed	Preset : 600°/sec, Manual : 0.01°/sec ~ 180°/sec (Proportional zoom ratio)	
Tilt Range	-6° ~ 186°	
Tilt Speed	Preset : 600°/sec, Manual : 0.01°/sec ~ 180°/sec (Proportional zoom ratio)	
Preset	512	
Preset Accuracy	±0.1°	
OPERATIONAL		
On Screen Display	English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese
Camera Title	Off / On (Displayed 54 characters)	
Day & Night	Day / Night / Auto (ICR) / External	
Backlight Compensation	Off / On (Area setting)	
Wide Dynamic Range	52dB : SCP-3430H	54dB : SCP-3430H
Contrast Enhancement	XDR (Off / Low / Mid / High)	
Digital Noise Reduction	Adaptive 3D+2D (Off / Low / Mid / High / User)	
Digital Image Stabilization	Off / On	
Motion Detection	Off / Tracking / Detection	
Privacy Masking	Off / On (12 programmable zones with polygonal masking)	
Sens-up (Frame Integration)	2x ~ 512x	
Gain Control	Off / On	
White Balance	ATW1 / ATW2 / AWC (Manual) / 3200°K / 5600°K	
Electronic Shutter Speed	1/60 ~ 1/10,000sec	1/50 ~ 1/10,000sec
Digital Zoom	Off / On (1x ~ 16x)	
Digital Flip	Off / On	
Profile	Standard / ITS / Backlight / Day & Night / Gaming / Custom	
VPS	Off / On	
Intelligent Video Analytics	Fixed / Moved	
PIP	Off / On	
Schedule	Day / Time	
Alarm	8 In 3 Out	
Communication	Coaxial control (SPC-300 compatible), RS-485/422	
Protocol	Coax : CCVC RS-485/422 : Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, AD, GE	
ENVIRONMENTAL		
Operating Temperature / Humidity	-50°C ~ +55°C (-58°F ~ +131°F) / Less than 90% RH	
Ingress Protection	IP66 grade	
Vandal Resistance	IK10	
ELECTRICAL		
Input Voltage / Current	24V AC ±10%	
Power Consumption	Max. 16.3W / 47W (Fan & heater on)	
MECHANICAL		
Color / Material	Ivory / Aluminum, Plastic (Dome cover : Clear)	
Dimensions (WxH)	Ø228.0 x 256.0mm (Ø8.98" x 10.08")	
Weight	5.6Kg (12.35 lb)	

* The latest product information / specification can be found at www.samsungsecurity.com

SCP-3371H/3371

High Resolution 37x WDR PTZ Dome Camera



SCP-3371H SCP-3371

600TVL | 0.7Lux | 37x A/F Lens | D&N ICR | WDR

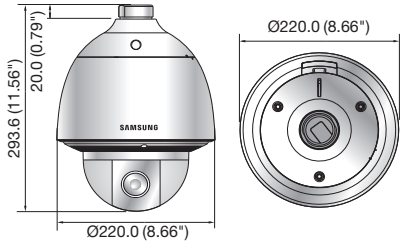
Key Features

- High resolution of 600TV lines (Color), 700TV lines (B/W)
- Min. illumination 0.7Lux@F1.6 (Color), 0.07Lux (B/W)
- Powerful 37x zoom (3.5 ~ 129.5mm), Digital 16x
- WDR, VPS, True Day & Night (ICR), Intelligent video analytics, MD, SSNRIII
- IP66 (SCP-3371H)
- Coax : Pelco-C (Coaxitron), RS-485/422, 24V AC

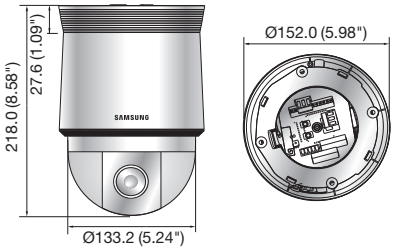
Dimensions

Unit : mm (inch)

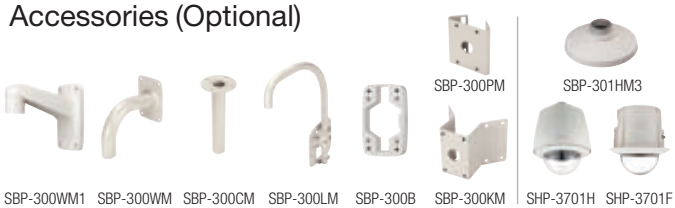
SCP-3371H



SCP-3371



Accessories (Optional)



SBP-300WM1 SBP-300WM SBP-300CM SBP-300LM SBP-300B SBP-300PM SBP-300KM SBP-301HM3 SHP-3701H SHP-3701F (SCP-3371)

Technical Specifications

	SCP-3371HN/3371N	SCP-3371HP/3371P
VIDEO		
Imaging Device	1/4" Ex-view HAD CCD (Double scan)	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Scanning System	2 : 1 Interlace	
Synchronization	Internal / Line lock	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 600TV lines, B/W : 700TV lines	
Min. Illumination	Color : 0.7Lux@F1.6 (50IRE), 0.001Lux (Sens-up, 512x) B/W : 0.07Lux@F1.6 (50IRE), 0.0001Lux (Sens-up, 512x)	
S / N Ratio	52dB (AGC off, Weight on)	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	3.5 ~ 129.5mm (Optical 37x)	
Max. Aperture Ratio	1 : 1.6(Wide) ~ 3.9(Tele)	
Angular Field of View	H : 55.5°(Wide) ~ 1.59°(Tele) / V : 42.5°(Wide) ~ 1.19°(Tele)	
Min. Object Distance	1.8m (5.91ft)	
Focus Control	Auto / Manual / One shot	
Zoom Movement Speed	2.8sec (Wide to tele)	
PAN / TILT		
Pan Range	360° Endless	
Pan Speed	Preset : 500°/sec, Manual : 0.024°/sec ~ 120°/sec (Proportional zoom ratio)	
Tilt Range	-5° ~ 185°	
Tilt Speed	Preset : 500°/sec, Manual : 0.024°/sec ~ 120°/sec (Proportional zoom ratio)	
Preset	255	
Preset Accuracy	±0.1°	
OPERATIONAL		
On Screen Display	English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech,Turkish, Portuguese
Camera Title	Off / On (Displayed 12 characters)	
Day & Night	Auto (ICR) / External / Color / B/W	
Backlight Compensation	Off / BLC / HLC / WDR	
Wide Dynamic Range	Low / Medium / High	
Contrast Enhancement	SSDR (Off / On)	
Digital Noise Reduction	SSNRIII (Off / On)	
Digital Image Stabilization	Off / On	
Motion Detection	Off / On	
Privacy Masking	Off / On (8 programmable zones)	
Sens-up (Frame Integration)	2x ~ 512x	
Gain Control	Off / Low / Medium / High / Manual	
White Balance	ATW / Outdoor / Indoor / Manual / AWC	
Electronic Shutter Speed	1/60 ~ 1/120,000sec	1/50 ~ 1/120,000sec
Digital Zoom	Off / On (1x ~ 16x)	
Digital Flip	Off / On	
VPS	Off / On	
Intelligent Video Analytics	Off / Detection / Tracking / Fixed_Moved	
PIP	Off / On	
Schedule	Day / Time	
Alarm	8 In 3 Out	
Communication	Coaxial control (SPC-300 compatible), RS-485/422	
Protocol	Coax : Pelco-C (Coaxitron) RS-485/422 : Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, AD, GE	
ENVIRONMENTAL		
Operating Temperature / Humidity	-50°C ~ +55°C (-58°F ~ +131°F) / Less than 90% RH : SCP-3371H -10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH : SCP-3371	
Ingress Protection	IP66 grade (SCP-3371H only)	
ELECTRICAL		
Input Voltage / Current	24V AC ±10%	
Power Consumption	Max. 15W / 60W (Fan & heater on) : SCP-3371H, Max. 15W : SCP-3371	
MECHANICAL		
Color / Material	Ivory / Aluminum, Plastic (Dome Cover : Clear) : SCP-3371H Ivory / Plastic (Dome cover : Clear) : SCP-3371	
Dimensions (WxH)	Ø220.0 x 293.6mm (Ø8.66" x 11.56") : SCP-3371H Ø152.0 x 218.0mm (Ø5.98" x 8.58") : SCP-3371	
Weight	3.1Kg (6.83 lb) : SCP-3371H, 1.6Kg (3.53 lb) : SCP-3371	

* The latest product information / specification can be found at www.samsungsecurity.com

SCP-3370TH/3370H/3370

High Resolution 37x WDR PTZ Dome Camera



SCP-3370TH/3370H



SCP-3370



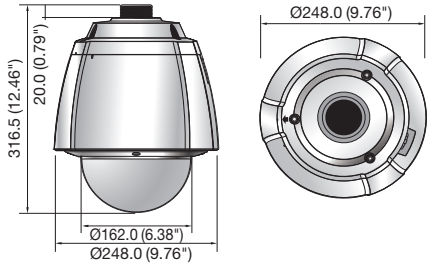
Key Features

- High resolution of 600TV lines (Color), 700TV lines (B/W)
- Min. illumination 0.7Lux@F1.6 (Color), 0.07Lux (B/W)
- Powerful 37x zoom (3.5 ~ 129.5mm), Digital 16x
- WDR, VPS, True Day & Night (ICR), Intelligent video analytics, MD, SSNRIII
- Auto tracking (SCP-3370TH), IP66, IK10 (SCP-3370TH/3370H)
- Coax : Pelco-C (Coaxitron), RS-485/422, 24V AC

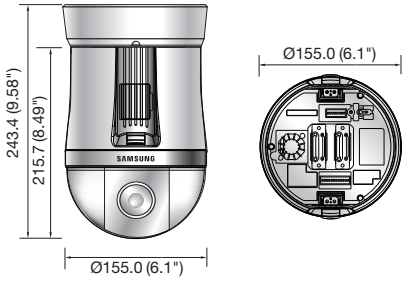
Dimensions

Unit : mm (inch)

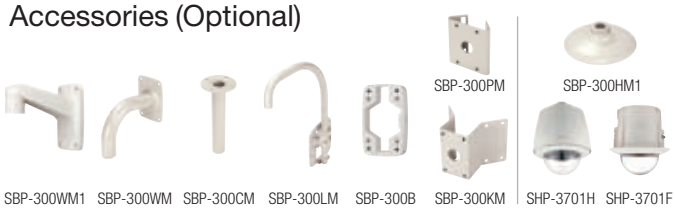
SCP-3370TH/3370H



SCP-3370



Accessories (Optional)



SBP-300WM1 SBP-300WM SBP-300CM SBP-300LM SBP-300B SBP-300KM SHP-3701H (SCP-3370) SHP-3701F (SCP-3370)

Technical Specifications

	SCP-3370THN/3370HN/3370N	SCP-3370THP/3370HP/3370P
VIDEO		
Imaging Device	1/4" Ex-view HAD CCD (Double scan)	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Scanning System	2 : 1 Interlace	
Synchronization	Internal / Line lock	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 600TV lines	
Min. Illumination	Color : 0.7Lux@F1.6 (50IRE), 0.001Lux (Sens-up, 512x) B/W : 0.07Lux@F1.6 (50IRE), 0.0001Lux (Sens-up, 512x)	
S / N Ratio	52dB (AGC off, Weight on)	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	3.5 ~ 129.5mm (Optical 37x)	
Max. Aperture Ratio	1 : 1.6(Wide) ~ 3.9(Tele)	
Angular Field of View	H : 55.5°(Wide) ~ 1.59°(Tele) / V : 42.5°(Wide) ~ 1.19°(Tele)	
Min. Object Distance	1.8m (5.91ft)	
Focus Control	Auto / Manual / One shot	
Zoom Movement Speed	2.8sec (Wide to tele)	
PAN / TILT		
Pan Range	360° Endless	
Pan Speed	Preset : 600°/sec, Manual : 0.024°/sec ~ 120°/sec (Proportional zoom ratio)	
Tilt Range	-5° ~ 185°	
Tilt Speed	Preset : 600°/sec, Manual : 0.024°/sec ~ 120°/sec (Proportional zoom ratio)	
Preset	255	
Preset Accuracy	±0.1°	
Auto Tracking	Yes (SCP-3370TH only)	
OPERATIONAL		
On Screen Display	English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech,Turkish, Portuguese
Camera Title	Off / On (Displayed 12 characters)	
Day & Night	Auto (ICR) / External / Color / B/W	
Backlight Compensation	Off / BLC / HLC / WDR	
Wide Dynamic Range	52dB	54dB
Contrast Enhancement	SSDR (Off / On)	
Digital Noise Reduction	SSNRIII (Off / On)	
Digital Image Stabilization	Off / On	
Motion Detection	Off / On	
Privacy Masking	Off / On (8 programmable zones)	
Sens-up (Frame Integration)	2x ~ 512x	
Gain Control	Off / Low / Medium / High / Manual	
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K ~ 11,000°K)	
Electronic Shutter Speed	1/60 ~ 1/120,000sec	1/50 ~ 1/120,000sec
Digital Zoom	Off / On (1x ~ 16x)	
Digital Flip	Off / On	
VPS	Off / On	
Intelligent Video Analytics	Tracking, Fixed / Moved	
PIP	Off / On	
Schedule	Day / Time	
Alarm	8 In 3 Out	
Communication	Coaxial control (SPC-300 compatible), RS-485/422	
Protocol	Coax : Pelco-C (Coaxitron) RS-485/422 : Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, AD, GE	
ENVIRONMENTAL		
Operating Temperature / Humidity	-50°C ~ +55°C (-58°F ~ +131°F) / Less than 90% RH : SCP-3370TH/3370H -10°C ~ +55°C (+14°F ~ +131°F) / 20% ~ 80% RH : SCP-3370	
Ingress Protection	IP66 grade (SCP-3370TH/3370H only)	
Vandal Resistance	IK10 (SCP-3370TH/3370H only)	
ELECTRICAL		
Input Voltage / Current	24V AC ±10%	
Power Consumption	Max. 15W / 60W (Fan & heater on) : SCP-3370TH/3370H, Max. 15W : SCP-3370	
MECHANICAL		
Color / Material	Ivory / Aluminum, Plastic (Dome cover : Clear)	
Dimensions (WxH)	Ø248.0 x 316.5mm (Ø9.76" x 12.46") : SCP-3370TH/3370H Ø155.0 x 243.4mm (Ø6.1" x 9.58") : SCP-3370	
Weight	4.5Kg (9.92 lb) : SCP-3370TH/3370H, 2Kg (4.41 lb) : SCP-3370	

* The latest product information / specification can be found at www.samsungsecurity.com

SCP-2371H/2371

High Resolution 37x PTZ Dome Camera



SCP-2371H SCP-2371

600TVL | 0.2Lux | 37x A/F Lens | D&N ICR

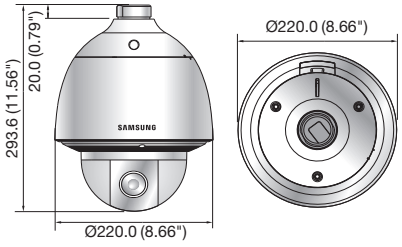
Key Features

- High resolution of 600TV lines (Color), 700TV lines (B/W)
- Min. illumination 0.2Lux@F1.6 (Color), 0.02Lux (B/W)
- Powerful 37x zoom (3.5 ~ 129.5mm), Digital 16x
- True Day & Night (ICR), MD, SSNRIII
- IP66 (SCP-2371H)
- Coax : Pelco-C (Coaxitron), RS-485/422, 24V AC

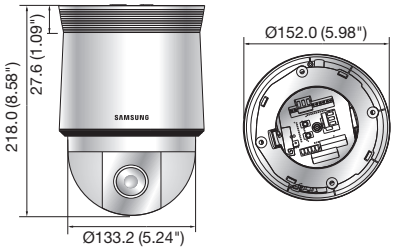
Dimensions

Unit : mm (inch)

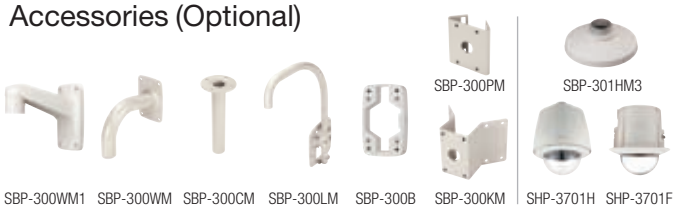
SCP-2371H



SCP-2371



Accessories (Optional)



SBP-300WM1 SBP-300WM SBP-300CM SBP-300LM SBP-300B SBP-300PM SBP-300KM SBP-301HM3 SHP-3701H SHP-3701F (SCP-2371)

Technical Specifications

	SCP-2371HN/2371N	SCP-2371HP/2371P
VIDEO		
Imaging Device	1/4" Super HAD CCD II	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Scanning System	2 : 1 Interlace	
Synchronization	Internal / Line lock	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 600TV lines, B/W : 700TV lines	
Min. Illumination	Color : 0.2Lux@F1.6 (50IRE), 0.0004Lux (Sens-up, 512x) B/W : 0.02Lux@F1.6 (50IRE), 0.00004Lux (Sens-up, 512x)	
S / N Ratio	52dB (AGC off, Weight on)	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	3.5 ~ 129.5mm (Optical 37x)	
Max. Aperture Ratio	1 : 1.6(Wide) ~ 3.9(Tele)	
Angular Field of View	H : 55.5°(Wide) ~ 1.59°(Tele) / V : 42.5°(Wide) ~ 1.19°(Tele)	
Min. Object Distance	1.8m (5.91ft)	
Focus Control	Auto / Manual / One shot	
Zoom Movement Speed	2.8sec (Wide to tele)	
PAN / TILT		
Pan Range	360° Endless	
Pan Speed	Preset : 500°/sec, Manual : 0.024°/sec ~ 120°/sec (Proportional zoom ratio)	
Tilt Range	-5° ~ 185°	
Tilt Speed	Preset : 500°/sec, Manual : 0.024°/sec ~ 120°/sec (Proportional zoom ratio)	
Preset	255	
Preset Accuracy	±0.1°	
OPERATIONAL		
On Screen Display	English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech,Turkish, Portuguese
Camera Title	Off / On (Displayed 12 characters)	
Day & Night	Auto (ICR) / External / Color / B/W	
Backlight Compensation	Off / BLC / HLC	
Contrast Enhancement	SSDR (Off / On)	
Digital Noise Reduction	SSNRIII (Off / On)	
Digital Image Stabilization	Off / On	
Motion Detection	Off / On	
Privacy Masking	Off / On (8 programmable zones)	
Sens-up (Frame Integration)	2x ~ 512x	
Gain Control	Off / Low / Medium / High / Manual	
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K ~ 11,000°K)	
Electronic Shutter Speed	1/60 ~ 1/120,000sec	1/50 ~ 1/120,000sec
Digital Zoom	Off / On (1x ~ 16x)	
Digital Flip	Off / On	
Schedule	Day / Time	
Alarm	8 In 3 Out	
Communication	Coaxial control (SPC-300 compatible), RS-485/422	
Protocol	Coax : Pelco-C (Coaxitron) RS-485/422 : Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, AD, GE	
ENVIRONMENTAL		
Operating Temperature / Humidity	-50°C ~ +55°C (-58°F ~ +131°F) / Less than 90% RH : SCP-2371H -10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH : SCP-2371	
Ingress Protection	IP66 grade (SCP-2371H only)	
ELECTRICAL		
Input Voltage / Current	24V AC ±10%	
Power Consumption	Max. 15W / 60W (Fan & heater on) : SCP-2371H, Max. 15W : SCP-2371	
MECHANICAL		
Color / Material	Ivory / Aluminum, Plastic (Dome Cover : Clear) : SCP-2371H Ivory / Plastic (Dome cover : Clear) : SCP-2371	
Dimensions (WxH)	Ø220.0 x 293.6mm (Ø8.66" x 11.56") : SCP-2371H Ø152.0 x 218.0mm (Ø5.98" x 8.58") : SCP-2371	
Weight	3.1Kg (6.83 lb) : SCP-2371H, 1.6Kg (3.53 lb) : SCP-2371	

* The latest product information / specification can be found at www.samsungsecurity.com

SCP-2370TH/2370H/2370

High Resolution 37x PTZ Dome Camera



SCP-2370TH/2370H SCP-2370

600TVL | 0.2Lux | 37x A/F Lens | D&N ICR

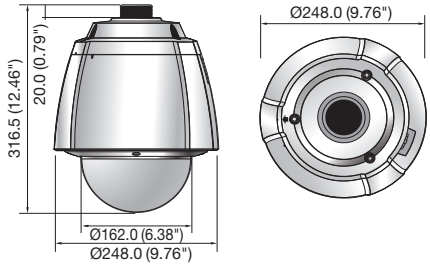
Key Features

- High resolution of 600TV lines (Color), 700TV lines (B/W)
- Min. illumination 0.2Lux@F1.6 (Color), 0.02Lux (B/W)
- Powerful 37x zoom (3.5 ~ 129.5mm), Digital 16x
- True Day & Night (ICR), MD, SSNRIII
- Auto tracking (SCP-2370TH), IP66, IK10 (SCP-2370TH/2370H)
- Coax : Pelco-C (Coaxitron), RS-485/422, 24V AC

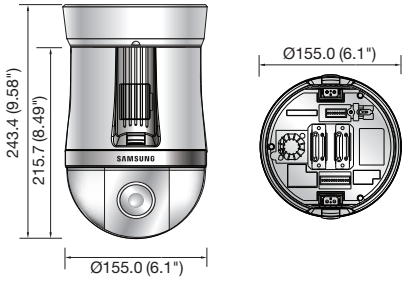
Dimensions

Unit : mm (inch)

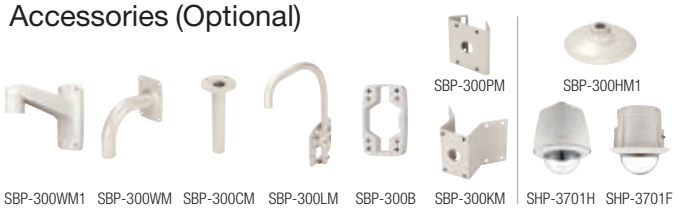
SCP-2370TH/2370H



SCP-2370



Accessories (Optional)



SBP-300WM1 SBP-300WM SBP-300CM SBP-300LM SBP-300B SBP-300PM SBP-300KM SBP-300HM1 SHP-3701H SHP-3701F (SCP-2370)

Technical Specifications

	SCP-2370THN/2370HN/2370N	SCP-2370THP/2370HP/2370P
VIDEO		
Imaging Device	1/4" Super HAD CCD II	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Scanning System	2 : 1 Interlace	
Synchronization	Internal / Line lock	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 600TV lines	
Min. Illumination	Color : 0.2Lux@F1.6 (50IRE), 0.0004Lux (Sens-up, 512x) B/W : 0.02Lux@F1.6 (50IRE), 0.00004Lux (Sens-up, 512x)	
S / N Ratio	52dB (AGC off, Weight on)	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	3.5 ~ 129.5mm (Optical 37x)	
Max. Aperture Ratio	1 : 1.6(Wide) ~ 3.9(Tele)	
Angular Field of View	H : 55.5°(Wide) ~ 1.59°(Tele) / V : 42.5°(Wide) ~ 1.19°(Tele)	
Min. Object Distance	1.8m (5.91ft)	
Focus Control	Auto / Manual / One shot	
Zoom Movement Speed	2.8sec (Wide to tele)	
PAN / TILT		
Pan Range	360° Endless	
Pan Speed	Preset : 600°/sec, Manual : 0.024°/sec ~ 120°/sec (Proportional zoom ratio)	
Tilt Range	-5° ~ 185°	
Tilt Speed	Preset : 600°/sec, Manual : 0.024°/sec ~ 120°/sec (Proportional zoom ratio)	
Preset	255	
Preset Accuracy	±0.1°	
Auto Tracking	Yes (SCP-2370TH only)	
OPERATIONAL		
On Screen Display	English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech,Turkish, Portuguese
Camera Title	Off / On (Displayed 12 characters)	
Day & Night	Auto (ICR) / External / Color / B/W	
Backlight Compensation	Off / BLC / HLC	
Contrast Enhancement	SSDR (Off / On)	
Digital Noise Reduction	SSNRIII (Off / On)	
Digital Image Stabilization	Off / On	
Motion Detection	Off / On	
Privacy Masking	Off / On (8 programmable zones)	
Sens-up (Frame Integration)	2x ~ 512x	
Gain Control	Off / Low / Medium / High / Manual	
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K ~ 11,000°K)	
Electronic Shutter Speed	1/60 ~ 1/120,000sec	1/50 ~ 1/120,000sec
Digital Zoom	Off / On (1x ~ 16x)	
Digital Flip	Off / On	
Schedule	Day / Time	
Alarm	8 In 3 Out	
Communication	Coaxial control (SPC-300 compatible), RS-485/422	
Protocol	Coax : Pelco-C (Coaxitron) RS-485/422 : Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, AD, GE	
ENVIRONMENTAL		
Operating Temperature / Humidity	-50°C ~ +55°C (-58°F ~ +131°F) / Less than 90% RH : SCP-2370TH/2370H -10°C ~ +55°C (+14°F ~ +131°F) / 20% ~ 80% RH : SCP-2370	
Ingress Protection	IP66 grade (SCP-2370TH/2370H only)	
Vandal Resistance	IK10 (SCP-2370TH/2370H only)	
ELECTRICAL		
Input Voltage / Current	24V AC ±10%	
Power Consumption	Max. 15W / 60W (Fan & heater on) : SCP-2370TH/2370H, Max. 15W : SCP-2370	
MECHANICAL		
Color / Material	Ivory / Aluminum, Plastic (Dome cover : Clear)	
Dimensions (WxH)	Ø248.0 x 316.5mm (Ø9.76" x 12.46") : SCP-2370TH/2370H Ø155.0 x 243.4mm (Ø6.1" x 9.58") : SCP-2370	
Weight	4.5Kg (9.92 lb) : SCP-2370TH/2370H, 2Kg (4.41 lb) : SCP-2370	

* The latest product information / specification can be found at www.samsungsecurity.com

SCP-2330H/2330

High Resolution 33x PTZ Dome Camera



SCP-2330H SCP-2330

600TVL | 0.2Lux | 33x A/F Lens | D&N ICR

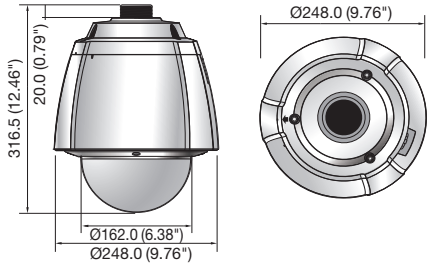
Key Features

- High resolution of 600TV lines (Color), 700TV lines (B/W)
- Min. illumination 0.2Lux@F1.6 (Color), 0.02Lux (B/W)
- Powerful 33x zoom (3.5 ~ 115.5mm), Digital 16x
- True Day & Night (ICR), MD, SSNRIII
- IP66, IK10 (SCP-2330H)
- Coax : Pelco-C (Coaxitron), RS-485/422, 24V AC

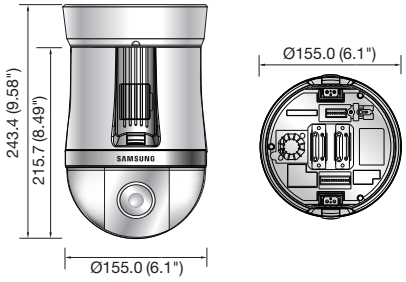
Dimensions

Unit : mm (inch)

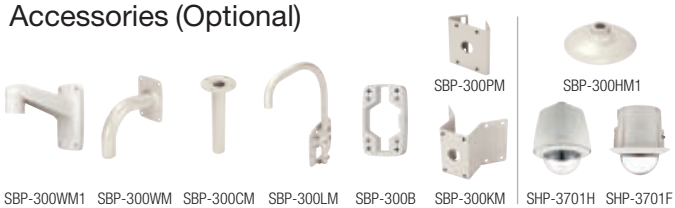
SCP-2330H



SCP-2330



Accessories (Optional)



SBP-300WM1 SBP-300WM SBP-300CM SBP-300LM SBP-300B SBP-300PM SBP-300KM SBP-300HM1 SHP-3701H (SCP-2330) SHP-3701F (SCP-2330)

Technical Specifications

	SCP-2330HN/2330N	SCP-2330HP/2330P
VIDEO		
Imaging Device	1/4" Super HAD CCD II	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Scanning System	2 : 1 Interlace	
Synchronization	Internal / Line lock	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 600TV lines	
Min. Illumination	Color : 0.2Lux@F1.6 (50IRE), 0.0004Lux (Sens-up, 512x) B/W : 0.02Lux@F1.6 (50IRE), 0.00004Lux (Sens-up, 512x)	
S / N Ratio	52dB (AGC off, Weight on)	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	3.5 ~ 115.5mm (Optical 33x)	
Max. Aperture Ratio	1 : 1.6(Wide) ~ 3.6(Tele)	
Angular Field of View	H : 55.5°(Wide) ~ 1.77°(Tele) / V : 42.5°(Wide) ~ 1.33°(Tele)	
Min. Object Distance	1.8m (5.91ft)	
Focus Control	Auto / Manual / One shot	
Zoom Movement Speed	2.2sec (Wide to tele)	
PAN / TILT		
Pan Range	360° Endless	
Pan Speed	Preset : 600°/sec, Manual : 0.024°/sec ~ 120°/sec (Proportional zoom ratio)	
Tilt Range	-5° ~ 185°	
Tilt Speed	Preset : 600°/sec, Manual : 0.024°/sec ~ 120°/sec (Proportional zoom ratio)	
Preset	255	
Preset Accuracy	±0.1°	
OPERATIONAL		
On Screen Display	English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech,Turkish, Portuguese
Camera Title	Off / On (Displayed 12 characters)	
Day & Night	Auto (ICR) / External / Color / B/W	
Backlight Compensation	Off / BLC / HLC	
Contrast Enhancement	SSDR (Off / On)	
Digital Noise Reduction	SSNRIII (Off / On)	
Digital Image Stabilization	Off / On	
Motion Detection	Off / On	
Privacy Masking	Off / On (8 programmable zones)	
Sens-up (Frame Integration)	2x ~ 512x	
Gain Control	Off / Low / Medium / High / Manual	
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K ~ 11,000°K)	
Electronic Shutter Speed	1/60 ~ 1/120,000sec	1/50 ~ 1/120,000sec
Digital Zoom	Off / On (1x ~ 16x)	
Digital Flip	Off / On	
Schedule	Day / Time	
Alarm	8 In 3 Out	
Communication	Coaxial control (SPC-300 compatible), RS-485/422	
Protocol	Coax : Pelco-C (Coaxitron) RS-485/422 : Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, AD, GE	
ENVIRONMENTAL		
Operating Temperature / Humidity	-50°C ~ +55°C (-58°F ~ +131°F) / Less than 90% RH : SCP-2330H -10°C ~ +55°C (+14°F ~ +131°F) / 20% ~ 80% RH : SCP-2330	
Ingress Protection	IP66 grade (SCP-2330H only)	
Vandal Resistance	IK10 (SCP-2330H only)	
ELECTRICAL		
Input Voltage / Current	24V AC ±10%	
Power Consumption	Max. 15W / 58W (Fan & heater on) : SCP-2330H, Max. 15W : SCP-2330	
MECHANICAL		
Color / Material	Ivory / Aluminum, Plastic (Dome cover : Clear)	
Dimensions (WxH)	Ø248.0 x 316.5mm (Ø9.76" x 12.46") : SCP-2330H Ø155.0 x 243.4mm (Ø6.1" x 9.58") : SCP-2330	
Weight	4.5Kg (9.92 lb) : SCP-2330H, 2Kg (4.41 lb) : SCP-2330	

* The latest product information / specification can be found at www.samsungsecurity.com

SAMSUNG TECHWIN

SCP-2271H/2271

High Resolution 27x PTZ Dome Camera



SCP-2271H SCP-2271

600TVL | 0.2Lux | 27x A/F Lens | D&N ICR

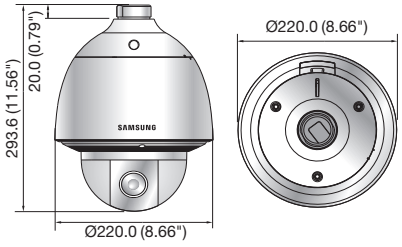
Key Features

- High resolution of 600TV lines (Color), 700TV lines (B/W)
- Min. illumination 0.2Lux@F1.6 (Color), 0.02Lux (B/W)
- Powerful 27x zoom (3.5 ~ 94.5mm), Digital 16x
- True Day & Night (ICR), MD, SSNRIII
- IP66 (SCP-2271H)
- Coax : Pelco-C (Coaxitron), RS-485/422, 24V AC

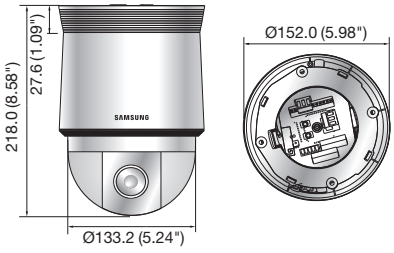
Dimensions

Unit : mm (inch)

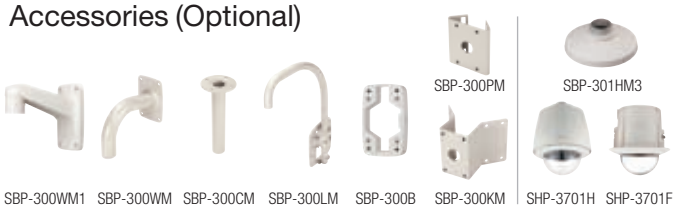
SCP-2271H



SCP-2271



Accessories (Optional)



SBP-300WM1 SBP-300WM SBP-300CM SBP-300LM SBP-300B SBP-300PM SBP-300KM SBP-301HM3 SHP-3701H SHP-3701F (SCP-2271)

Technical Specifications

	SCP-2271HN/2271N	SCP-2271HP/2271P
VIDEO		
Imaging Device	1/4" Super HAD CCD II	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Scanning System	2 : 1 Interlace	
Synchronization	Internal / Line lock	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 600TV lines, B/W : 700TV lines	
Min. Illumination	Color : 0.2Lux@F1.6 (50IRE), 0.0004Lux (Sens-up, 512x) B/W : 0.02Lux@F1.6 (50IRE), 0.00004Lux (Sens-up, 512x)	
S / N Ratio	52dB (AGC off, Weight on)	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	3.5 ~ 94.5mm (Optical 27x)	
Max. Aperture Ratio	1 : 1.6(Wide) ~ 2.9(Tele)	
Angular Field of View	H : 55.5°(Wide) ~ 2.24°(Tele) / V : 42.5°(Wide) ~ 1.79°(Tele)	
Min. Object Distance	1.8m (5.91ft)	
Focus Control	Auto / Manual / One shot	
Zoom Movement Speed	1.8sec (Wide to tele)	
PAN / TILT		
Pan Range	360° Endless	
Pan Speed	Preset : 500°/sec, Manual : 0.024°/sec ~ 120°/sec (Proportional zoom ratio)	
Tilt Range	-5° ~ 185°	
Tilt Speed	Preset : 500°/sec, Manual : 0.024°/sec ~ 120°/sec (Proportional zoom ratio)	
Preset	255	
Preset Accuracy	±0.1°	
OPERATIONAL		
On Screen Display	English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech,Turkish, Portuguese
Camera Title	Off / On (Displayed 12 characters)	
Day & Night	Auto (ICR) / External / Color / B/W	
Backlight Compensation	Off / BLC / HLC	
Contrast Enhancement	SSDR (Off / On)	
Digital Noise Reduction	SSNRIII (Off / On)	
Digital Image Stabilization	Off / On	
Motion Detection	Off / On	
Privacy Masking	Off / On (8 programmable zones)	
Sens-up (Frame Integration)	2x ~ 512x	
Gain Control	Off / Low / Medium / High / Manual	
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K ~ 11,000°K)	
Electronic Shutter Speed	1/60 ~ 1/120,000sec	1/50 ~ 1/120,000sec
Digital Zoom	Off / On (1x ~ 16x)	
Digital Flip	Off / On	
Schedule	Day / Time	
Alarm	8 In 3 Out	
Communication	Coaxial control (SPC-300 compatible), RS-485/422	
Protocol	Coax : Pelco-C (Coaxitron) RS-485/422 : Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, AD, GE	
ENVIRONMENTAL		
Operating Temperature / Humidity	-50°C ~ +55°C (-58°F ~ +131°F) / Less than 90% RH : SCP-2271H -10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH : SCP-2271	
Ingress Protection	IP66 grade (SCP-2271H only)	
ELECTRICAL		
Input Voltage / Current	24V AC ±10%	
Power Consumption	Max. 15W / 58W (Fan & heater on) : SCP-2271H, Max. 15W : SCP-2271	
MECHANICAL		
Color / Material	Ivory / Aluminum, Plastic (Dome cover : Clear) : SCP-2271H Ivory / Plastic (Dome cover : Clear) : SCP-2271	
Dimensions (WxH)	Ø220.0 x 293.6mm (Ø8.66" x 11.56") : SCP-2271H Ø152.0 x 218.0mm (Ø5.98" x 8.58") : SCP-2271	
Weight	3.1Kg (6.83 lb) : SCP-2271H, 1.6Kg (3.53 lb) : SCP-2271	

* The latest product information / specification can be found at www.samsungsecurity.com

SCP-2270H/2270

High Resolution 27x PTZ Dome Camera



SCP-2270H SCP-2270

600TVL | 0.2Lux | 27x A/F Lens | D&N ICR

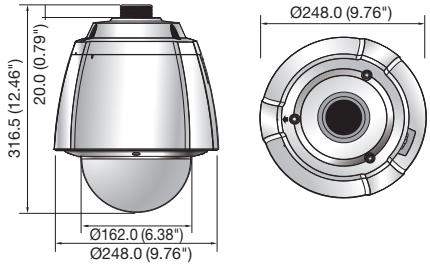
Key Features

- High resolution of 600TV lines (Color), 700TV lines (B/W)
- Min. illumination 0.2Lux@F1.6 (Color), 0.02Lux (B/W)
- Powerful 27x zoom (3.5 ~ 94.5mm), Digital 16x
- True Day & Night (ICR), MD, SSNRIII
- IP66, IK10 (SCP-2270H)
- Coax : Pelco-C (Coaxitron), RS-485/422, 24V AC

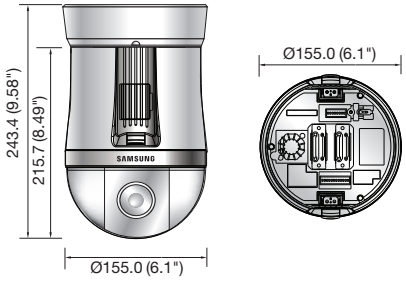
Dimensions

Unit : mm (inch)

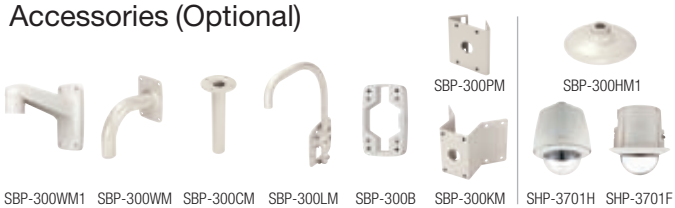
SCP-2270H



SCP-2270



Accessories (Optional)



SBP-300WM1 SBP-300WM SBP-300CM SBP-300LM SBP-300B SBP-300PM SBP-300KM SBP-300HM1 SHP-3701H (SCP-2270) SHP-3701F (SCP-2270)

Technical Specifications

	SCP-2270HN/2270N	SCP-2270HP/2270P
VIDEO		
Imaging Device	1/4" Super HAD CCD II	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Scanning System	2 : 1 Interlace	
Synchronization	Internal / Line lock	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 600TV lines	
Min. Illumination	Color : 0.2Lux@F1.6 (50IRE), 0.0004Lux (Sens-up, 512x) B/W : 0.02Lux@F1.6 (50IRE), 0.00004Lux (Sens-up, 512x)	
S / N Ratio	52dB (AGC off, Weight on)	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	3.5 ~ 94.5mm (Optical 27x)	
Max. Aperture Ratio	1 : 1.6(Wide) ~ 2.9(Tele)	
Angular Field of View	H : 55.5°(Wide) ~ 2.24°(Tele) / V : 42.5°(Wide) ~ 1.79°(Tele)	
Min. Object Distance	1.8m (5.91ft)	
Focus Control	Auto / Manual / One shot	
Zoom Movement Speed	1.8sec (Wide to tele)	
PAN / TILT		
Pan Range	360° Endless	
Pan Speed	Preset : 600°/sec, Manual : 0.024°/sec ~ 120°/sec (Proportional zoom ratio)	
Tilt Range	-5° ~ 185°	
Tilt Speed	Preset : 600°/sec, Manual : 0.024°/sec ~ 120°/sec (Proportional zoom ratio)	
Preset	255	
Preset Accuracy	±0.1°	
OPERATIONAL		
On Screen Display	English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech,Turkish, Portuguese
Camera Title	Off / On (Displayed 12 characters)	
Day & Night	Auto (ICR) / External / Color / B/W	
Backlight Compensation	Off / BLC / HLC	
Contrast Enhancement	SSDR (Off / On)	
Digital Noise Reduction	SSNRIII (Off / On)	
Digital Image Stabilization	Off / On	
Motion Detection	Off / On	
Privacy Masking	Off / On (8 programmable zones)	
Sens-up (Frame Integration)	2x ~ 512x	
Gain Control	Off / Low / Medium / High / Manual	
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K ~ 11,000°K)	
Electronic Shutter Speed	1/60 ~ 1/120,000sec	1/50 ~ 1/120,000sec
Digital Zoom	Off / On (1x ~ 16x)	
Digital Flip	Off / On	
Schedule	Day / Time	
Alarm	8 In 3 Out	
Communication	Coaxial control (SPC-300 compatible), RS-485/422	
Protocol	Coax : Pelco-C (Coaxitron) RS-485/422 : Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, AD, GE	
ENVIRONMENTAL		
Operating Temperature / Humidity	-50°C ~ +55°C (-58°F ~ +131°F) / Less than 90% RH : SCP-2270H -10°C ~ +55°C (+14°F ~ +131°F) / 20% ~ 80% RH : SCP-2270	
Ingress Protection	IP66 grade (SCP-2270H only)	
Vandal Resistance	IK10 (SCP-2270H only)	
ELECTRICAL		
Input Voltage / Current	24V AC ±10%	
Power Consumption	Max. 15W / 58W (Fan & heater on) : SCP-2270H, Max. 15W : SCP-2270	
MECHANICAL		
Color / Material	Ivory / Aluminum, Plastic (Dome cover : Clear)	
Dimensions (WxH)	Ø248.0 x 316.5mm (Ø9.76" x 12.46") : SCP-2270H Ø155.0 x 243.4mm (Ø6.1" x 9.58") : SCP-2270	
Weight	4.5Kg (9.92 lb) : SCP-2270H, 2Kg (4.41 lb) : SCP-2270	

* The latest product information / specification can be found at www.samsungsecurity.com

SAMSUNG TECHWIN

SCP-2250H/2250

High Resolution 25x PTZ Dome Camera



SCP-2250H SCP-2250

600TVL | 0.2Lux | 25x A/F Lens | D&N ICR

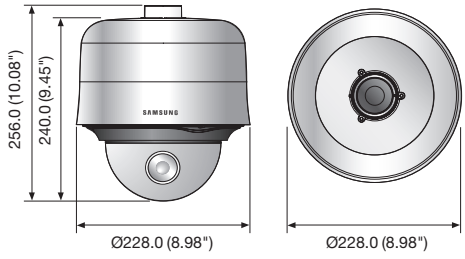
Key Features

- High resolution of 600TV lines (Color), 700TV lines (B/W)
- Min. illumination 0.2Lux@F1.65 (Color), 0.02Lux (B/W)
- Powerful 25x zoom (3.66 ~ 91.36mm), Digital 16x
- True Day & Night (ICR), Intelligent video analytics, MD, DNR
- IP66, IK10 (SCP-2250H)
- Coax : CCVC, RS-485/422, 24V AC

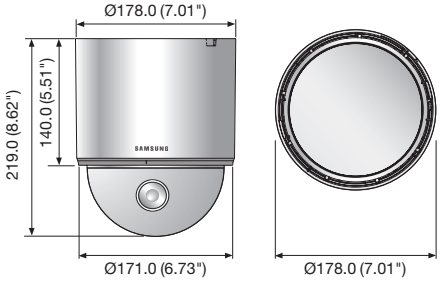
Dimensions

Unit : mm (inch)

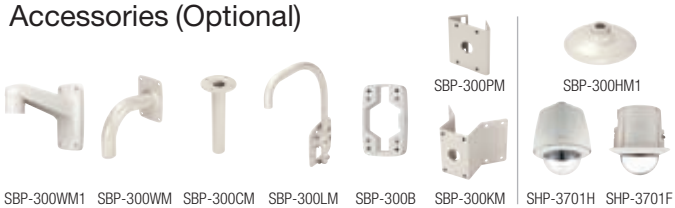
SCP-2250H



SCP-2250



Accessories (Optional)



SBP-300WM1 SBP-300WM SBP-300CM SBP-300LM SBP-300B SBP-300PM SBP-300KM SBP-300HM1 SHP-3701H (SCP-2250) SHP-3701F (SCP-2250)

Technical Specifications

	SCP-2250HN/2250N	SCP-2250HP/2250P
VIDEO		
Imaging Device	1/4" Super HAD CCD II	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Scanning System	2 : 1 Interlace	
Synchronization	Internal / Line lock	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 600TV lines, B/W : 700TV lines	
Min. Illumination	Color : 0.2Lux@F1.65 (50IRE), 0.0004Lux (Sens-up, 512x) B/W : 0.02Lux@F1.65 (50IRE), 0.00004Lux (Sens-up, 512x)	
S / N Ratio	52dB (AGC off, Weight on)	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	3.66 ~ 91.36mm (Optical 25x)	
Max. Aperture Ratio	1 : 1.65(Wide) ~ 3.0(Tele)	
Angular Field of View	H : 54.95°(Wide) ~ 2.24°(Tele) / V : 41.83°(Wide) ~ 1.68°(Tele)	
Min. Object Distance	1m (3.28ft)	
Focus Control	Auto / Manual / One AF	
Zoom Movement Speed	2.9sec (Wide to tele)	
PAN / TILT		
Pan Range	360° Endless	
Pan Speed	Preset : 600°/sec, Manual : 0.01°/sec ~ 180°/sec (Proportional zoom ratio)	
Tilt Range	-6° ~ 186°	
Tilt Speed	Preset : 600°/sec, Manual : 0.01°/sec ~ 180°/sec (Proportional zoom ratio)	
Preset	512	
Preset Accuracy	±0.1°	
OPERATIONAL		
On Screen Display	English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese
Camera Title	Off / On (Displayed 54 characters)	
Day & Night	Day / Night / Auto (ICR) / External	
Backlight Compensation	Off / On (Area setting)	
Contrast Enhancement	XDR (Off / Low / Mid / High)	
Digital Noise Reduction	Adaptive 3D+2D (Off / Low / Mid / High / User)	
Digital Image Stabilization	Off / On	
Motion Detection	Off / Tracking / Detection	
Privacy Masking	Off / On (12 programmable zones with polygonal masking)	
Sens-up (Frame Integration)	2x ~ 512x	
Gain Control	Off / On	
White Balance	ATW1 / ATW2 / AWC / 3200°K / 5600°K	
Electronic Shutter Speed	1/60 ~ 1/10,000sec	1/50 ~ 1/10,000sec
Digital Zoom	Off / On (1x ~ 16x)	
Digital Flip	Off / On	
Profile	Standard / ITS / Backlight / Day & Night / Gaming / Custom	
Intelligent Video Analytics	Fixed / Moved	
PIP	Off / On	
Schedule	Day / Time	
Alarm	8 In 3 Out	
Communication	Coaxial control (SPC-300 compatible), RS-485/422	
Protocol	Coax : CCVC RS-485/422 : Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, AD, GE	
ENVIRONMENTAL		
Operating Temperature / Humidity	-50°C ~ +55°C (-58°F ~ +131°F) / Less than 90% RH : SCP-2250H -10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH : SCP-2250	
Ingress Protection	IP66 grade (SCP-2250H only)	
Vandal Resistance	IK10 (SCP-2250H only)	
ELECTRICAL		
Input Voltage / Current	24V AC ±10%	
Power Consumption	Max. 16.3W / 47W (Fan & heater on) : SCP-2250H, Max. 11.5W : SCP-2250	
MECHANICAL		
Color / Material	Ivory / Aluminum, Plastic (Dome cover : Clear) : SCP-2250H Ivory / Plastic (Dome cover : Clear) : SCP-2250	
Dimensions (WxH)	Ø228.0 x 256.0mm (Ø8.98" x 10.08") : SCP-2250H Ø178.0 x 219.0mm (Ø7.01" x 8.62") : SCP-2250	
Weight	5.6Kg (12.35 lb) : SCP-2250H, 1.9Kg (4.19 lb) : SCP-2250	

* The latest product information / specification can be found at www.samsungsecurity.com

SAMSUNG TECHWIN

SCP-3120/3120VH

High Resolution 12x WDR PTZ Dome Camera



SCP-3120



SCP-3120VH



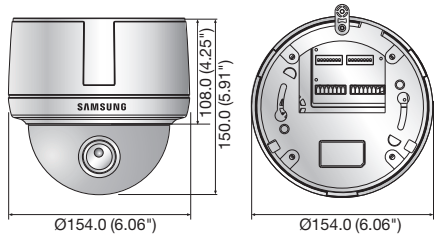
Key Features

- High resolution of 600TV lines (Color), 700TV lines (B/W)
- Min. illumination 0.7Lux@F1.65 (Color), 0.07Lux (B/W)
- Powerful 12x zoom (3.6 ~ 44.3mm), digital 16x
- WDR, VPS, True Day & Night (ICR), Intelligent video analytics, MD, DNR
- IP66, IK10 : SCP-3120VH, Coax : CCVC, RS-485, 24V AC

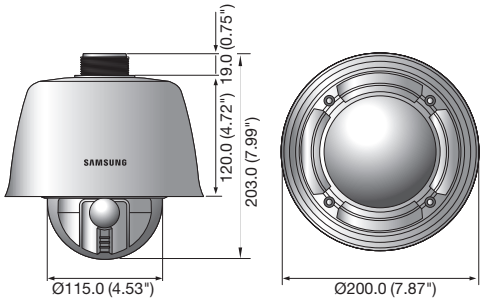
Dimensions

Unit : mm (inch)

SCP-3120



SCP-3120VH



Accessories (Optional)



SBP-300WM1 SBP-300WM SBP-300CM SBP-300LM SBP-300B SBP-300PM SBP-300KM

SBP-300HM1 (SCP-3120)

Technical Specifications

	SCP-3120N/3120VHN	SCP-3120P/3120VHP
VIDEO		
Imaging Device	1/4" Ex-view HAD CCD (Double scan)	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Scanning System	2 : 1 Interlace	
Synchronization	Internal / Line lock	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 600TV lines, B/W : 700TV lines	
Min. Illumination	Color : 0.7Lux@F1.65 (50IRE), 0.001Lux (Sens-up, 512x) B/W : 0.07Lux@F1.65 (50IRE), 0.0001Lux (Sens-up, 512x)	
S / N Ratio	52dB (AGC off, Weight on)	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	3.6 ~ 44.3mm (Optical 12x)	
Max. Aperture Ratio	1 : 1.65(Wide) ~ 2.01(Tele)	
Angular Field of View	H : 54.44°(Wide) ~ 4.64°(Tele) / V : 41.42°(Wide) ~ 3.52°(Tele)	
Min. Object Distance	1m (3.28ft)	
Focus Control	Auto / Manual / One shot	
Zoom Movement Speed	1.9sec (Wide to tele)	
PAN / TILT		
Pan Range	360° Endless	
Pan Speed	Preset : 650°/sec, Manual : 0.05°/sec ~ 120°/sec (Proportional zoom ratio)	
Tilt Range	-5° ~ 185°	
Tilt Speed	Preset : 650°/sec, Manual : 0.05°/sec ~ 120°/sec (Proportional zoom ratio)	
Preset	255	
Preset Accuracy	±0.1°	
OPERATIONAL		
On Screen Display	English, French, Spanish, Italian, German, Portuguese, Korean	English, French, Spanish, German, Italian, Chinese, Portuguese
Camera Title	Off / On (Displayed 12 characters)	
Day & Night	Off / Auto (ICR) / B/W	
Backlight Compensation	Off / BLC / WDR	
Wide Dynamic Range	52dB	54dB
Contrast Enhancement	XDR (Off / Low / Mid / High)	
Digital Noise Reduction	Adaptive 3D+2D (Off / Low / Mid / High / User)	
Digital Image Stabilization	Off / On	
Motion Detection	Off / Tracking / Detection	
Privacy Masking	Off / On (12 programmable zones with polygonal masking)	
Sens-up (Frame Integration)	2x ~ 512x	
Gain Control	Off / Low / Medium / High / Manual	
White Balance	ATW (In) / ATW (Out) / AWC / Manual	
Electronic Shutter Speed	1/60 ~ 1/10,000sec	1/50 ~ 1/10,000sec
Digital Zoom	Off / On (1x ~ 16x)	
Digital Flip	Off / On	
VPS	Off / On	
Intelligent Video Analytics	Fixed / Moved	
Schedule	Day / Time	
Alarm	2 In 2 Out	
Communication	Coaxial control (SPC-300 compatible), RS-485	
Protocol	Coax : CCVC RS-485 : Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, AD, GE	
ENVIRONMENTAL		
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH : SCP-3120 -50°C ~ +55°C (-58°F ~ +131°F) / Less than 90% RH : SCP-3120VH	
Ingress Protection	IP66 grade (SCP-3120VH only)	
Vandal Resistance	IK10 (SCP-3120VH only)	
ELECTRICAL		
Input Voltage / Current	24V AC ±10%	
Power Consumption	Max. 12W : SCP-3120, Max. 12W / 45W (Fan & heater on) : SCP-3120VH	
MECHANICAL		
Color / Material	Ivory / Plastic (Dome cover : Clear) : SCP-3120 Ivory / Aluminum, Plastic (Dome cover : Clear) : SCP-3120VH	
Dimensions (WxH)	Ø154.0 x 150.0mm (Ø6.06" x 5.91") : SCP-3120 Ø200.0 x 203.0mm (Ø7.87" x 7.99") : SCP-3120VH	
Weight	1Kg (2.2 lb) : SCP-3120, 2.4Kg (5.29 lb) : SCP-3120VH	

* The latest product information / specification can be found at www.samsungsecurity.com

SCP-2120

High Resolution 12x PTZ Dome Camera



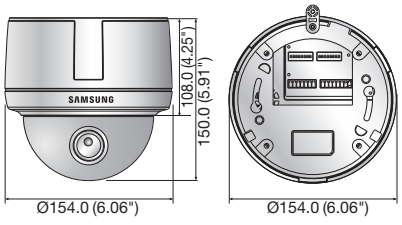
600TVL | 0.2Lux | 12x A/F Lens | D&N ICR

Key Features

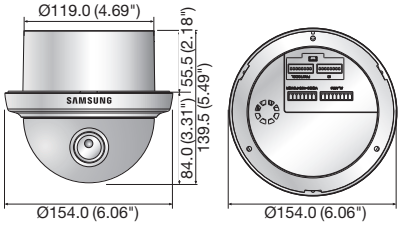
- High resolution of 600TV lines (Color), 700TV lines (B/W)
- Min. illumination 0.2Lux@F1.67 (Color), 0.004Lux (B/W)
- Powerful 12x zoom (3.9 ~ 46mm), Digital 16x
- True Day & Night (ICR), MD, SSNRIII
- Coax : Pelco-C (Coaxitron), RS-485, 24V AC

Dimensions

Unit : mm (inch)



Flush Type



Accessories (Optional)



SBP-300HM1 SBP-300WM1 SBP-300WM SBP-300CM SBP-300LM SBP-300B SBP-300PM SBP-300KM

Technical Specifications

	SCP-2120N	SCP-2120P
VIDEO		
Imaging Device	1/4" Super HAD CCD II	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Scanning System	2 : 1 Interlace	
Synchronization	Internal / Line lock	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 600TV lines, B/W : 700TV lines	
Min. Illumination	Color : 0.2Lux@F1.67 (50IRE), 0.0004Lux (Sens-up, 512x) B/W : 0.004Lux@F1.67 (50IRE), 0.000008Lux (Sens-up, 512x)	
S / N Ratio	52dB (AGC off, Weight on)	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	3.9 ~ 46mm (Optical 12x)	
Max. Aperture Ratio	1 : 1.67(Wide) ~ 1.88(Tele)	
Angular Field of View	H : 51.54°(Wide) ~ 4.49°(Tele) / V : 39.28°(Wide) ~ 3.39°(Tele)	
Min. Object Distance	1m (3.28ft)	
Focus Control	Auto / Manual / One shot	
Zoom Movement Speed	1.9sec (Wide to tele)	
PAN / TILT		
Pan Range	360° Endless	
Pan Speed	Preset : 650°/sec, Manual : 0.05°/sec ~ 120°/sec (Proportional zoom ratio)	
Tilt Range	-5° ~ 185°	
Tilt Speed	Preset : 650°/sec, Manual : 0.05°/sec ~ 120°/sec (Proportional zoom ratio)	
Preset	255	
Preset Accuracy	±0.1°	
OPERATIONAL		
On Screen Display	English, French, German, Spanish, Italian, Portuguese, Korean	English, French, German, Spanish, Italian, Chinese, Portuguese
Camera Title	Off / On (Displayed 12 characters)	
Day & Night	Off / Auto (ICR) / B/W	
Backlight Compensation	Off / BLC / HLC	
Contrast Enhancement	SSDR (Off / On)	
Digital Noise Reduction	SSNRIII (Off / Low / Medium / High)	
Motion Detection	Off / On	
Privacy Masking	Off / On (8 programmable zones)	
Sens-up (Frame Integration)	2x ~ 512x	
Gain Control	Off / Low / Medium / High / Manual	
White Balance	ATW / ATW(In) / ATW(Out) / Manual / AWC	
Electronic Shutter Speed	1/60 ~ 1/120,000sec	1/50 ~ 1/120,000sec
Digital Zoom	Off / On (1x ~ 16x)	
Digital Flip	Off / On	
Schedule	Day / Time	
Alarm	2 In 2 Out	
Communication	Coaxial control (SPC-300 compatible), RS-485	
Protocol	Coax : Pelco-C (Coaxitron) RS-485 : Samsung-T/E, Pelco-D/P, Vicon, Panasonic, Bosch, Honeywell, AD, GE	
ENVIRONMENTAL		
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH	
ELECTRICAL		
Input Voltage / Current	24V AC ±10%	
Power Consumption	Max. 12W	
MECHANICAL		
Color / Material	Ivory / Plastic (Dome cover : Clear)	
Dimensions (WxH)	Ø154.0 x 150.0mm (Ø6.06" x 5.91")	
Weight	1Kg (2.2 lb)	

* The latest product information / specification can be found at www.samsungsecurity.com

SCP-2370RH

High Resolution Weatherproof 37x IR PTZ Dome Camera



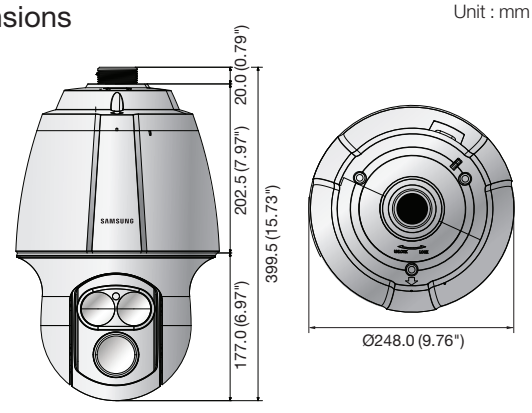
600TVL | 0Lux | 37x A/F Lens | D&N ICR | IR LED

Key Features

- High resolution of 600TV lines (Color), 700TV lines (B/W)
- Min. illumination 0Lux (IR LED on), IR distance 100m
- Powerful 37x zoom (3.5 ~ 129.5mm), Digital 16x
- True Day & Night (ICR), MD, SSNRIII
- IP66, IK10, Coax : Pelco-C (Coaxitron), RS-485/422, 24V AC

Dimensions

Unit : mm (inch)



Accessories (Optional)



SBP-300WM1 SBP-300WM SBP-300CM SBP-300LM SBP-300B SBP-300PM SBP-300KM

Technical Specifications

	SCP-2370RHN	SCP-2370RHP
VIDEO		
Imaging Device	1/4" Super HAD CCD II	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Scanning System	2 : 1 Interlace	
Synchronization	Internal / Line lock	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 600TV lines	
Min. Illumination	Color : 0.2Lux@F1.6 (50IRE), 0.0004Lux (Sens-up, 512x) B/W : 0Lux (IR LED on)	
S / N Ratio	52dB (AGC off, Weight on)	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	3.5 ~ 129.5mm (Optical 37x)	
Max. Aperture Ratio	1 : 1.6(Wide) ~ 3.9(Tele)	
Angular Field of View	H : 55.5°(Wide) ~ 1.59°(Tele) / V : 42.5°(Wide) ~ 1.19°(Tele)	
Min. Object Distance	1.5m (4.92ft)	
Focus Control	Auto / Manual / One shot	
Zoom Movement Speed	2.8sec (Wide to tele)	
PAN / TILT		
Pan Range	360° Endless	
Pan Speed	Preset : 250°/sec, Manual : 0.024°/sec ~ 120°/sec (Proportional zoom ratio)	
Tilt Range	-5° ~ 185°	
Tilt Speed	Preset : 250°/sec, Manual : 0.024°/sec ~ 120°/sec (Proportional zoom ratio)	
Preset	255	
Preset Accuracy	±0.1°	
OPERATIONAL		
On Screen Display	English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech,Turkish, Portuguese
Camera Title	Off / On (Displayed 12 characters)	
Day & Night	Auto (ICR) / External / Color / B/W	
Backlight Compensation	Off / BLC / HLC	
Contrast Enhancement	SSDR (Off / On)	
Digital Noise Reduction	SSNRIII (Off / On)	
Digital Image Stabilization	Off / On	
Motion Detection	Off / On	
Privacy Masking	Off / On (8 programmable zones)	
Sens-up (Frame Integration)	2x ~ 512x	
Gain Control	Off / Low / High	
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K ~ 11,000°K)	
Electronic Shutter Speed	1/60 ~ 1/120,000sec	1/50 ~ 1/120,000sec
Digital Zoom	Off / On (1x ~ 16x)	
Digital Flip	Off / On	
Schedule	Day / Time	
Alarm	8 In 3 Out	
Communication	Coaxial control (SPC-300 compatible), RS-485/422	
Protocol	Coax : Pelco-C (Coaxitron) RS-485/422 : Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, AD, GE	
IR Distance	100m (IR LED 2ea)	
ENVIRONMENTAL		
Operating Temperature / Humidity	-50°C ~ +55°C (-58°F ~ +131°F) / Less than 100% RH	
Ingress Protection	IP66 grade	
Vandal Resistance	IK10	
ELECTRICAL		
Input Voltage / Current	24V AC ±10%	
Power Consumption	Max. 15W / 90W (Fan & heater on)	
MECHANICAL		
Color / Material	Ivory / Aluminum	
Dimensions (WxH)	Ø248.0 x 399.5mm (Ø9.76" x 15.73")	
Weight	6Kg (13.23 lb)	

* The latest product information / specification can be found at www.samsungsecurity.com

SCU-2370

High Resolution Weatherproof 37x Positioning System



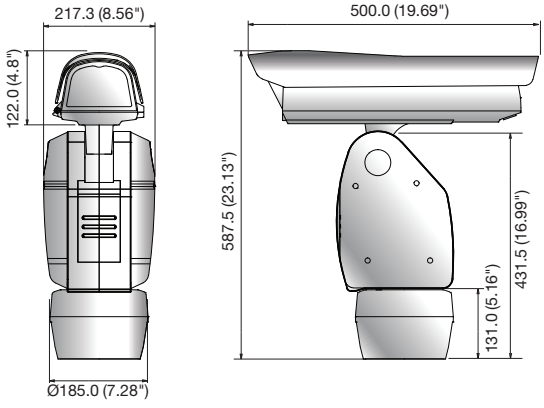
600TVL | 0.2Lux | 37x A/F Lens | D&N ICR

Key Features

- High resolution of 600TV lines (Color), 700TV lines (B/W)
- Min. illumination 0.2Lux@F1.6 (Color), 0.02Lux (B/W)
- Powerful 37x zoom (3.5 ~ 129.5mm), Digital 16x
- True Day & Night (ICR), MD, SSNRIII
- IP66, Coax : Pelco-C (Coaxitron), RS-485, 24V AC

Dimensions

Unit : mm (inch)



Accessories (Optional)



SBU-500WM SBU-220PM SPI-10/30 SBU-550IM

Technical Specifications

	SCU-2370N	SCU-2370P
VIDEO		
Imaging Device	1/4" Super HAD CCD II	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Scanning System	2 : 1 Interlace	
Synchronization	Internal / Line lock	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 600TV lines, B/W : 700TV lines	
Min. Illumination	Color : 0.2Lux@F1.6 (50IRE), 0.0004Lux (Sens-up, 512x) B/W : 0.02Lux@F1.6 (50IRE), 0.00004Lux (Sens-up, 512x)	
S / N Ratio	52dB (AGC off, Weight on)	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	3.5 ~ 129.5mm (Optical 37x)	
Max. Aperture Ratio	1 : 1.6(Wide) ~ 3.9(Tele)	
Angular Field of View	H : 55.5°(Wide) ~ 1.59°(Tele) / V : 42.5°(Wide) ~ 1.19°(Tele)	
Min. Object Distance	1.5m	
Focus Control	Auto / Manual / One shot	
Zoom Movement Speed	2.8sec (Wide to tele)	
Lens Type	DC auto iris	
PAN / TILT		
Pan Range	360° Endless	
Pan Speed	Preset : 0.1° ~ 120°/sec, Manual : 0.1°/sec ~ 36°/sec (Turbo : 120°/sec)	
Tilt Range	-85° ~ 40°	
Tilt Speed	Preset : 0.1° ~ 36°/sec, Manual : 0.1°/sec ~ 36°/sec	
Preset	255	
Preset Accuracy	±0.1°	
OPERATIONAL		
On Screen Display	English, Chinese, French, German, Spanish, Italian, Portuguese	
Camera Title	Off / On (Displayed 12 characters)	
Day & Night	Auto (ICR) / Color / B/W	
Backlight Compensation	Off / HLC / BLC	
Contrast Enhancement	SSDR (Off / On)	
Digital Noise Reduction	SSNRIII (Off / On)	
Digital Image Stabilization	Off / On	
Motion Detection	Off / On	
Privacy Masking	Off / On (8 area)	
Sens-up (Frame Integration)	2x ~ 512x	
Gain Control	Off / Low / Medium / High / Manual	
White Balance	ATW / Indoor / Outdoor / Manual / AWC	
Electronic Shutter Speed	Auto (1/60 ~ 1/120,000sec) / Manual / A.FLK	Auto (1/50 ~ 1/120,000sec) / Manual / A.FLK
Digital Zoom	Off / On (2x ~ 16x)	
Schedule	Day / Time	
Alarm	3 In 2 Out 1 Aux (Option : Wiper pump)	
IR Illuminator (Optional)	Off / On / On (1 ~ 60sec, 1 ~ 60min)	
Communication	Coaxial control (SPC-300 compatible), RS-485	
Protocol	Coax : Pelco-C (Coaxitron) RS-485 : Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, GE, AD	
ENVIRONMENTAL		
Operating Temperature / Humidity	-50°C ~ +55°C (-58°F ~ +131°F) / Less than 90% RH	
Ingress Protection	IP66 grade	
ELECTRICAL		
Input Voltage / Current	24V AC ±10%	
Power Consumption	Max. 40W / 144W (Fan & heater on)	
MECHANICAL		
Color / Material	Ivory / Aluminum	
Dimensions (WxHxD)	217.3 x 587.5 x 500.0mm (8.56" x 23.13" x 19.69")	
Weight	17.5Kg (38.58 lb)	

* The latest product information / specification can be found at www.samsungsecurity.com

SCU-9080

Weatherproof Thermal Positioning System



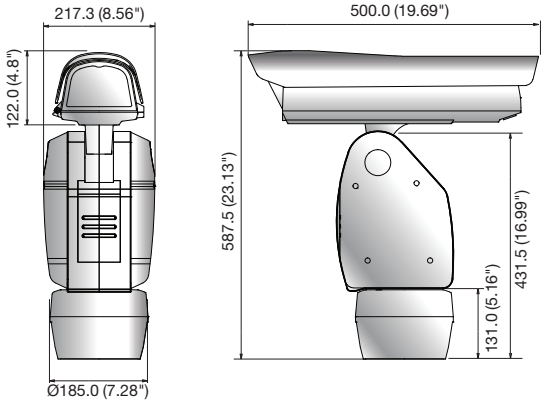


Key Features

- Outstanding detection without lighting 1.2km
- Built-in 50mm fixed lens, 0.47mrad, Color pattern
- Min. discernable temperature of 0.08°C
- Event alarm, Multi-language OSD
- IP66, Coax : Pelco-C (Coaxitron), RS-485, 24V AC

Dimensions

Unit : mm (inch)



Accessories (Optional)



SBU-500WM

SBU-220PM

Technical Specifications

	SCU-9080N	SCU-9080P
VIDEO		
Imaging Device	320(H) x 240(H) uncooled VOX microbolometer	
Sensor Pitch	23.5μm	
Measured Wavelength Range	8 ~ 14um, LWIR	
Video Ratio (Sensor)	30fps	25fps
Thermal Sensitivity (NETD)	80mK@F1.0	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	50mm (Fixed)	
Max. Aperture Ratio	1 : 1.4	
Angular Field of View (HxV)	8.6° x 6.5°	
Min. Object Distance	27m ~ ∞, Pan focus	
IFOV (Instaneous Field of View)	0.47mrad	
PAN / TILT		
Pan Range	360° Endless	
Pan Speed	Preset : 0.1° ~ 120°/sec, Manual : 0.1°/sec ~ 36°/sec (Turbo : 120°/sec)	
Tilt Range	-85° ~ 40°	
Tilt Speed	Preset : 0.1° ~ 36°/sec, Manual : 0.1°/sec ~ 36°/sec	
Preset	255	
Preset Accuracy	±0.1°	
OPERATIONAL		
On Screen Display	English, French, German, Spanish, Italian, Portuguese, Russian	
NUC (Non-Uniformity Correction)	Auto / Manual	
Temperature Range	-40°C ~ +500°C (-40°F ~ +932°F)	
Brightness	32 steps adjustable	
Sharpness	32 steps adjustable	
Contrast Enhancement	32 steps adjustable	
Digital Noise Reduction	2D/3D adaptive DNR (4 step : Off / Low / Medium / High)	
Digital Zoom	Off / On, 1.1x ~ 4x selectable	
ISO Therm	Isolated temperature display	
Pseudo Color	B/W, W/B, Color1, Color2 selectable	
Event Alarm	Thermal temperature event	
Alarm	3 In 2 Out 1 Aux	
Communication	Coaxial control (SPC-300 compatible), RS-485	
Protocol	Coax : Pelco-C (Coaxitron) RS-485 : Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, GE, AD	
ENVIRONMENTAL		
Operating Temperature / Humidity	-50°C ~ +55°C (-58°F ~ +131°F) / Less than 90% RH	
Ingress Protection	IP66 grade	
ELECTRICAL		
Input Voltage / Current	24V AC ±10%	
Power Consumption	Max. 40W / 144W (Fan & heater on)	
MECHANICAL		
Color / Material	Ivory / Aluminum	
Dimensions (WxHxD)	217.3 x 587.5 x 500.0mm (8.56" x 23.13" x 19.69")	
Weight	17.5Kg (38.58 lb)	

* The latest product information / specification can be found at www.samsungsecurity.com

SCB-6000

HD CCTV Camera



* Lens not included

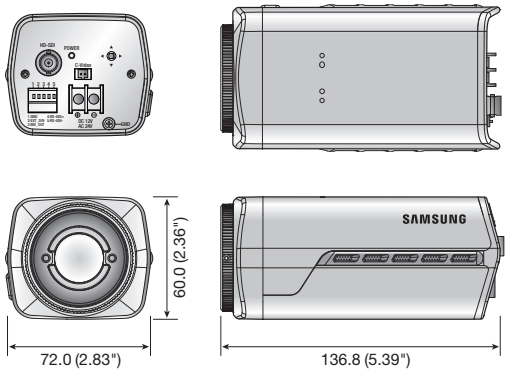


Key Features

- Full HD (1920 x 1080, 30fps) mega resolution, HD (1280 x 720, 60fps) resolution
- Min. Illumination 1Lux@F1.2 (Color), 0.1Lux (B/W)
- True Day & Night (ICR), MD, SSNRIII
- RS-485, Dual power

Dimensions

Unit : mm (inch)



Available Lenses / Accessories (Optional)



Technical Specifications

	SCB-6000N/P
VIDEO	
Imaging Device	1/3" Progressive scan CMOS
Total Pixels	2,010(H) x 1,108(V), 2.2M pixels
Effective Pixels	1,944(H) x 1,092(V), 2.1M pixels
Scanning System	Progressive
Min. Illumination	Color : 1Lux (F1.2, 50IRE), 0.017Lux (Sens-up 60x) B/W : 0.1Lux (F1.2, 50IRE), 0.0017Lux (Sens-up 60x)
S / N Ratio	50dB (AGC off, Weight on)
Video Output	SMPTE292M (HD-SDI), Monitoring CVBS
LENS	
Lens Type	Manual / DC auto iris
Mount Type	C / CS
OPERATIONAL	
On Screen Display	English, Korean, French, German, Spanish, Italian, Chinese, Russian, Polish, Swedish, Danish, Portuguese, Japanese, Serbian, Czech, Romanian, Turkish, Taiwanese, Thai
Camera Title	Off / On (Displayed up to 15 characters)
Day & Night	Auto (ICR) / External / Color / B/W
Backlight Compensation	Off / User BLC / HLC
Contrast Enhancement	SSDR (Off / On)
Digital Noise Reduction	SSNRIII (Off / On)
Motion Detection	Off / On
Privacy Masking	Off / On (16ea rectangular zones)
Sens-up (Frame Integration)	Off / Auto (2x ~ 60x)
Gain Control	Off / Low / Medium / High
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K ~ 11,000°K)
Electronic Shutter Speed	ESC / A.FLK / Manual (1/30 ~ 1/12,000sec) / Fixed
Digital Zoom	Off / On (1x ~ 16x)
Reverse	Off / H-Rev / V-Rev / HV-Rev
Alarm	(MD) output 1, External D/N in 1
Remote Control Interface	RS-485
Protocol	RS-485 : Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, AD, GE
ENVIRONMENTAL	
Operating Temperature / Humidity	0°C ~ +55°C (+32°F ~ +131°F) / Less than 90% RH
ELECTRICAL	
Input Voltage / Current	Dual (24V AC & 12V DC ±10%)
Power Consumption	Max. 6W
MECHANICAL	
Color / Material	Dark gray / Metal
Dimensions (WxHxD)	72.0 x 60.0 x 136.8mm (2.83" x 2.36" x 5.39")
Weight	434g (0.96 lb)
TRANSMISSION DISTANCE	
5C2V (75ohm)	Max. 100 ~ 140m
L-6CHD (75ohm)	Max. 200m

* This transmission distance is theoretically calculated number, and real transmission distance can be affected by installation environment.
* The latest product information / specification can be found at www.samsungsecurity.com

HD CCTV Kit



SPH-120R
Repeater

SPH-110C
Converter

SCD-6080

HD CCTV Dome Camera



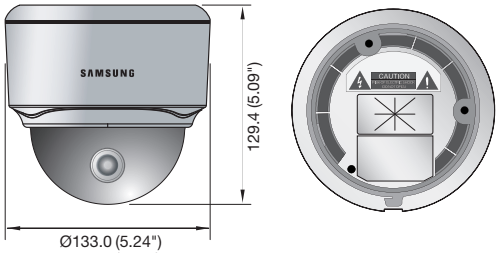
Full HD 1080p | 1 Lux | 2.8x Motorized V/F Lens | D&N ICR

Key Features

- Full HD (1920 x 1080, 30fps) mega resolution, HD (1280 x 720, 60fps) resolution
- Min. Illumination 1Lux@F1.2 (Color), 0.1Lux (B/W)
- 3 ~ 8.5mm (2.8x) motorized varifocal lens
- True Day & Night (ICR), MD, SSNRIII
- RS-485, Dual power

Dimensions

Unit : mm (inch)



HD CCTV Kit



SPH-120R
Repeater



SPH-110C
Converter

Accessories (Optional)



SBP-301HM2 SBP-300LM SBP-300CM SBP-300WM1 SBP-300WM SBP-300B SBP-300PM SBP-300KM

Technical Specifications

	SCD-6080N/P
VIDEO	
Imaging Device	1/3" Progressive scan CMOS
Total Pixels	2,010(H) x 1,108(V), 2.2M pixels
Effective Pixels	1,944(H) x 1,092(V), 2.1M pixels
Scanning System	Progressive
Min. Illumination	Color : 1Lux (F1.2, 50IRE), 0.017Lux (Sens-up 60x) B/W : 0.1Lux (F1.2, 50IRE), 0.0017Lux (Sens-up 60x)
S / N Ratio	50dB (AGC off, Weight on)
Video Output	SMPTE292M (HD-SDI), Monitoring CVBS
LENS	
Focal Length (Zoom Ratio)	3 ~ 8.5mm (2.8x)
Max. Aperture Ratio	1 : 1.24(Wide) ~ 2.16(Tele)
Angular Field of View	H : 105°(Wide) ~ 36.9°(Tele) / V : 58°(Wide) ~ 20.8°(Tele)
Min. Object Distance	0.5m (1.64ft)
Focus Control	Manual / One shot
Lens Type	DC auto iris, Motorized V/F
Mount Type	Board type
PAN / TILT	
Pan Range	0° ~ 355°
Tilt Range	0° ~ 90°
Rotate Range	0° ~ 355°
OPERATIONAL	
On Screen Display	English, Korean, French, German, Spanish, Italian, Chinese, Russian, Polish, Swedish, Danish, Portuguese, Japanese, Serbian, Czech, Romanian, Turkish, Taiwanese, Thai
Camera Title	Off / On (Displayed up to 15 characters)
Day & Night	Auto (ICR) / External / Color / B/W
Backlight Compensation	Off / User BLC / HLC
Contrast Enhancement	SSDR (Off / On)
Digital Noise Reduction	SSNRIII (Off / On)
Motion Detection	Off / On
Privacy Masking	Off / On (16ea rectangular zones)
Sens-up (Frame Integration)	Off / Auto (2x ~ 60x)
Gain Control	Off / Low / Medium / High
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K ~ 11,000°K)
Electronic Shutter Speed	Esc / A.FLK / Manual (1/30 ~ 1/12,000sec) / Fixed
Digital Zoom	Off / On (1x ~ 16x)
Reverse	Off / H-Rev / V-Rev / HV-Rev
Alarm	(MD) output 1, External D/N in 1
Remote Control Interface	RS-485
Protocol	RS-485 : Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, AD, GE
ENVIRONMENTAL	
Operating Temperature / Humidity	0°C ~ +55°C (+32°F ~ +131°F) / Less than 90% RH
ELECTRICAL	
Input Voltage / Current	Dual (24V AC & 12V DC ±10%)
Power Consumption	Max. 6W
MECHANICAL	
Color / Material	Ivory / Plastic (Dome cover : Clear)
Dimensions (WxH)	Ø133.0 x 129.4mm (Ø5.24" x 5.09")
Weight	537g (1.18 lb)
TRANSMISSION DISTANCE	
5C2V (75ohm)	Max. 100 ~ 140m
L-6CHD (75ohm)	Max. 200m

* This transmission distance is theoretically calculated number, and real transmission distance can be affected by installation environment.
* The latest product information / specification can be found at www.samsungsecurity.com

SUB-2000

High Resolution UTP Camera



* Lens not included

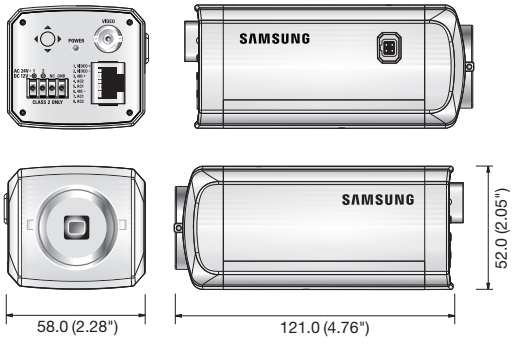
600TVL | 0.05Lux | SSDR | E-D&N | UTP Driver Tx

Key Features

- High resolution of 600TV lines
- Min. illumination 0.05Lux@F1.2 (Color)
- MD, SSNRIII, Built-in UTP T/X
- Coax : Pelco-C (Coaxitron), RS-485, Dual power, 28V AC

Dimensions

Unit : mm (inch)



Technical Specifications

	SUB-2000N	SUB-2000P
VIDEO		
Imaging Device	1/3" Super HAD CCD II	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Scanning System	2 : 1 Interlace	
Synchronization	Internal / Line lock	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 600TV lines	
Min. Illumination	Color : 0.05Lux@F1.2 (50IRE)	
S / N Ratio	52dB (AGC off, Weight on)	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
UTP Output	Built-in UTP TX	
LENS		
Lens Type	Manual / Auto iris (Video / DC)	
Mount Type	C / CS	
OPERATIONAL		
On Screen Display	English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish,Portuguese
Camera Title	Off / On (Displayed 15 characters)	
Day & Night	Auto (Electrical) / Color / B/W	
Backlight Compensation	Off / BLC / HLC	
Dynamic Range	SSDR (Off / On)	
Digital Noise Reduction	SSNRIII (Off / On)	
Digital Image Stabilization	Off / On	
Motion Detection	Off / On	
Privacy Masking	Off / On (12 programmable zones)	
Sens-up (Frame Integration)	2x ~ 512x	
Gain Control	Off / Low / High	
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K ~ 11,000°K)	
Electronic Shutter Speed	1/60 ~ 1/120,000sec	1/50 ~ 1/120,000sec
Digital Zoom	Off / On (1x ~ 16x)	
Reverse	H-Rev / V-Rev	
Communication	Coaxial control (SPC-300 compatible), RS-485	
Protocol	Coax : Pelco-C (Coaxitron) RS-485 : Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon	
ENVIRONMENTAL		
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH	
ELECTRICAL		
Input Voltage / Current	Dual (24V AC & 12V DC ±10%), 28V AC ±10%	
Power Consumption	Max. 3.5W	
MECHANICAL		
Color / Material	Black & Dark gray / Aluminum, Steel	
Dimensions (WxHxD)	58.0 x 52.0 x 121.0mm (2.28" x 2.05" x 4.76")	
Weight	290g (0.64 lb)	

* The latest product information / specification can be found at www.samsungsecurity.com

Available Lenses / Accessories (Optional)



SLA-3580DN | SLA-2812DN | SLA-550DV | SLA-612DN | SLA-12240 | SLA-880



SHB-4300H1/4300H2/4300H3 | SHB-4200/4200H | STB-400 | use with | STH-500 | or | STH-200 | STB-4150V

UTP Kit



4CH UTP Power Supply Hub
SPU-400



1CH UTP Transceiver
SPU-100TR



4CH UTP Receiver
SPU-400R

SUD-3080

High Resolution WDR UTP Dome Camera





Key Features

- High resolution of 600TV lines (Color), 700TV lines (B/W)
- Min. illumination 0.3Lux@F1.2 (Color), 0.01Lux (B/W)
- 3.9x varifocal lens (2.8 ~ 11mm), WDR, VPS
- True Day & Night (ICR), Intelligent video analytics, MD, SSNRIII
- Built-in UTP TX, Coax : Pelco-C (Coaxitron), RS-485, 28V AC, 24V AC, 12V DC

UTP Kit



4CH UTP Power Supply Hub
SPU-400



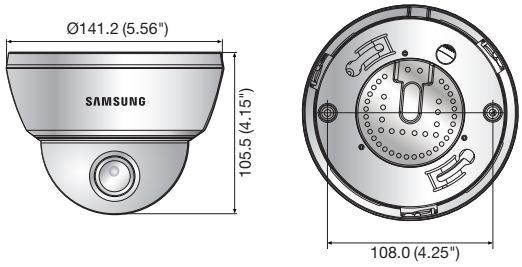
1CH UTP Transceiver
SPU-100TR



4CH UTP Receiver
SPU-400R

Dimensions

Unit : mm (inch)



Technical Specifications

	SUD-3080N	SUD-3080P
VIDEO		
Imaging Device	1/3" Sony Super HAD CCD (Double scan)	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Scanning System	2 : 1 Interlace	
Synchronization	Internal / Line lock	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 600TV lines, B/W : 700TV lines	
Min. Illumination	Color : 0.3Lux@F1.2 (50IRE), 0.0006Lux (Sens-up, 512x) B/W : 0.01Lux@F1.2 (50IRE), 0.00002Lux (Sens-up, 512x)	
S / N Ratio	52dB (AGC off, Weight on)	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
UTP Output	Built-in UTP TX [Maximum transmission length 900m (3000ft)] : Balanced differential signal 100Ω	
LENS		
Focal Length (Zoom Ratio)	2.8 ~ 11mm (3.9x)	
Max. Aperture Ratio	1 : 1.2(Wide) ~ 2.8(Tele)	
Angular Field of View	H : 102˚(Wide) ~ 28˚(Tele) / V : 73˚(Wide) ~ 21˚(Tele)	
Min. Object Distance	0.2m (0.66ft)	
Lens Type	DC auto iris	
Mount Type	Board type	
PAN / TILT		
Pan Range	0° ~ 340°	
Tilt Range	0° ~ 73°	
Rotate Range	0° ~ 340°	
OPERATIONAL		
On Screen Display	English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese
Camera Title	Off / On (Displayed 15 characters)	
Day & Night	Auto (ICR) / External / Color / B/W	
Backlight Compensation	Off / User BLC / HLC / WDR	
Wide Dynamic Range	52dB	54dB
Contrast Enhancement	SSDR (Off / On)	
Digital Noise Reduction	SSNRIII (Off / On)	
Digital Image Stabilization	Off / On	
Motion Detection	Built-in	
Privacy Masking	Off / On (12 programmable zones)	
Sens-up (Frame Integration)	2x ~ 512x	
Gain Control	Off / Low / High	
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K ~ 11,000°K)	
Electronic Shutter Speed	1/60 ~ 1/120,000sec	1/50 ~ 1/120,000sec
Digital Zoom	Off / On (1x ~ 16x)	
Reverse	Off / H-Rev / V-Rev / HV-Rev	
Profile	Basic / Day & Night / Backlight / ITS / Indoor / User	
VPS	Off / On	
Intelligent Video Analytics	Fixed / Moved, Area, Fence, Tracking, Counting	
PIP	Off / On	
Alarm	1 Out	
Communication	Coaxial control (SPC-300 compatible), RS-485	
Protocol	Coax : Pelco-C (Coaxitron) RS-485 : Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon	
ENVIRONMENTAL		
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH	
ELECTRICAL		
Input Voltage / Current	28V AC ±10%, 24V AC, 12V DC±10%	
Power Consumption	Max. 4.0W	
MECHANICAL		
Color / Material	Ivory / Plastic (Dome cover : Clear)	
Dimensions (WxH)	Ø141.2 x 105.5mm (Ø5.56" x 4.15")	
Weight	520g (1.15 lb)	

* The latest product information / specification can be found at www.samsungsecurity.com

SAMSUNG TECHWIN

SUD-2080

High Resolution Varifocal UTP Dome Camera



600TVL | 0.15Lux | 3.6x V/F Lens | D&N ICR | UTP Driver Tx

Key Features

- High resolution of 600TV lines (Color), 700TV lines (B/W)
- Min. illumination 0.15Lux@F1.2 (Color), 0.001Lux (B/W)
- 3.6x varifocal lens (2.8 ~ 10mm), True Day & Night (ICR), MD, SSNRIII
- Built-in UTP TX, Coax : Pelco-C (Coaxitron), RS-485, 28V AC, 24V AC, 12V DC

UTP Kit



4CH UTP Power Supply Hub
SPU-400



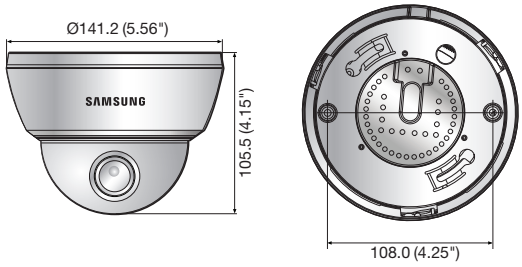
1CH UTP Transceiver
SPU-100TR



4CH UTP Receiver
SPU-400R

Dimensions

Unit : mm (inch)



Technical Specifications

	SUD-2080N	SUD-2080P
VIDEO		
Imaging Device	1/3" Super HAD CCD II	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Scanning System	2 : 1 Interlace	
Synchronization	Internal / Line lock	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 600TV lines, B/W : 700TV lines	
Min. Illumination	Color : 0.15Lux@F1.2 (50IRE), 0.0003Lux (Sens-up, 512x) B/W : 0.001Lux@F1.2 (50IRE), 0.000002Lux (Sens-up, 512x)	
S / N Ratio	52dB (AGC off, Weight on)	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
UTP Output	Built-in UTP TX [Maximum transmission length 900m (3000ft)] : Balanced differential signal 100Ω	
LENS		
Focal Length (Zoom Ratio)	2.8 ~ 10mm (3.6x)	
Max. Aperture Ratio	1 : 1.2(Wide) ~ 2.8(Tele)	
Angular Field of View	H : 94.4°(Wide) ~ 28°(Tele) / V : 69.2°(Wide) ~ 21°(Tele)	
Min. Object Distance	0.2m (0.66ft)	
Lens Type	DC auto iris	
Mount Type	Board type	
PAN / TILT		
Pan Range	0° ~ 352°	
Tilt Range	0° ~ 73°	
Rotate Range	0° ~ 348°	
OPERATIONAL		
On Screen Display	English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese
Camera Title	Off / On (Displayed 15 characters)	
Day & Night	Auto (ICR) / Color / B/W	
Backlight Compensation	Off / BLC / HLC	
Contrast Enhancement	SSDR (Off / On)	
Digital Noise Reduction	SSNRIII (Off / On)	
Digital Image Stabilization	Off / On	
Motion Detection	Off / On	
Privacy Masking	Off / On (12 programmable zones)	
Sens-up (Frame Integration)	2x ~ 512x	
Gain Control	Off / Low / High	
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K ~ 11,000°K)	
Electronic Shutter Speed	1/60 ~ 1/120,000sec	1/50 ~ 1/120,000sec
Digital Zoom	Off / On (1x ~ 16x)	
Reverse	H-Rev / V-Rev	
Communication	Coaxial control (SPC-300 compatible), RS-485	
Protocol	Coax : Pelco-C (Coaxitron) RS-485 : Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon	
ENVIRONMENTAL		
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH	
ELECTRICAL		
Input Voltage / Current	28V AC ±10%, 24V AC, 12V DC±10%	
Power Consumption	Max. 3.5W	
MECHANICAL		
Color / Material	Ivory / Plastic (Dome cover : Clear)	
Dimensions (WxH)	Ø141.2 x 105.5mm (Ø5.56" x 4.15")	
Weight	520g (1.15 lb)	

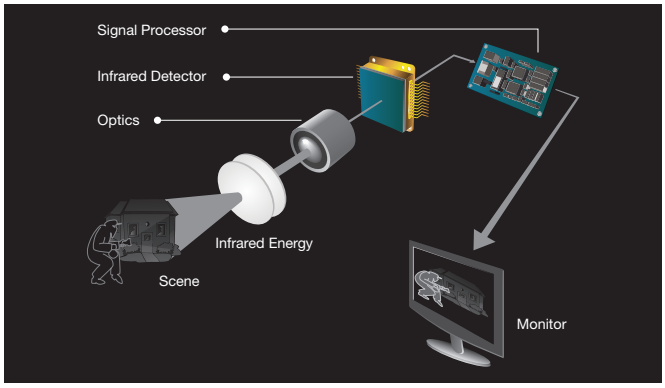
* The latest product information / specification can be found at www.samsungsecurity.com

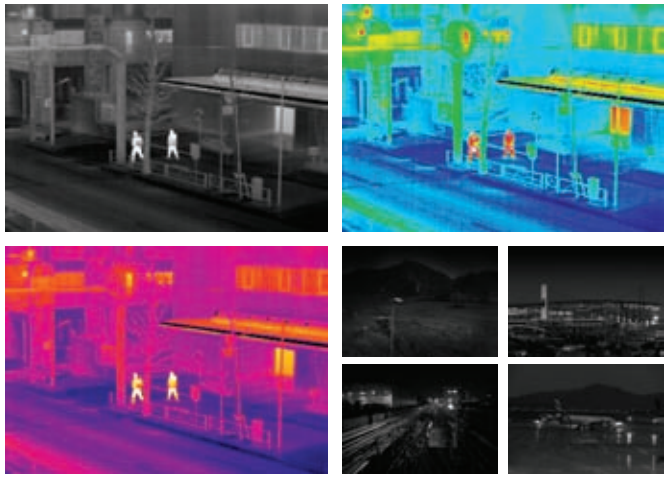
Thermal Camera Terms & Features

Thermal Night Vision Camera (Thermal Camera)

Thermal Camera

The thermal camera is an advanced camera that detects differences in the infrared energy of objects and the background, converts them into electric signals, and produces digital images.



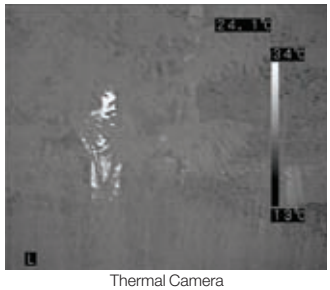


Thermal Cameras Vs. Visible Cameras

In comparison to a visible camera, it is possible to detect objects up to 1km (0.6miles) away in total darkness and through rain, fog or heavy smoke.



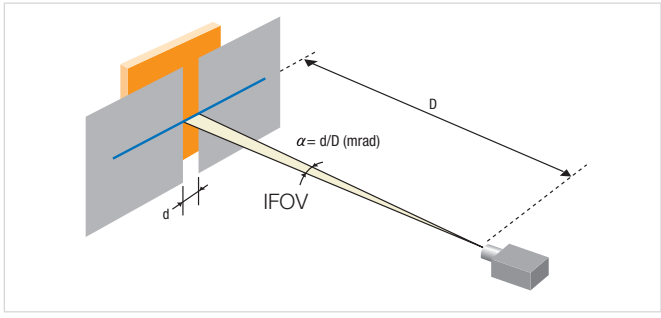
Visible Camera



Thermal Camera

IFOV - Instantaneous Field of View (Spatial Resolution)

A measurement of a sensor's intrinsic field of view corresponding to the amount of light that a sensor can detect at an instant : the smaller it is, the fuller an image looks with longer detection distance.



IFOV = d/D mrad
(ex) IFOV=23.5μm/14mm=1.68mrad

NETD (Noise Equivalent Temperature Difference)

NETD is a measurement of the smallest temperature difference that a thermal imaging camera can detect an object clearly.



Color Pattern

With the color pattern function, it is easy to detect the temperatures of the objects. It is possible to differentiate the temperature range of an object.



SCB-9080/9060

Weatherproof Thermal Camera



SCB-9080

SCB-9060



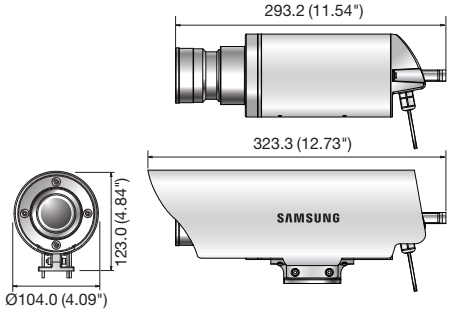
Key Features

- Outstanding detection without lighting 1.2km : SCB-9080
  360m : SCB-9060
- Built-in 50mm, 0.47mrad : SCB-9080
  14mm, 1.68mrad : SCB-9060
- Min. discernable temperature of 0.08°C
- Event alarm, Multi-language OSD
- IP66, RS-485, 24V AC

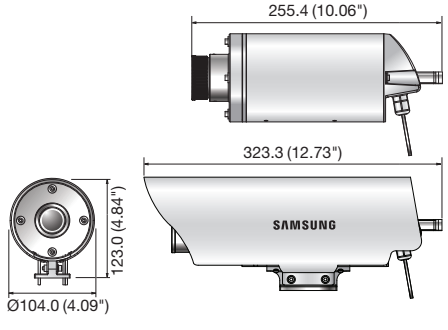
Dimensions

Unit : mm (inch)

SCB-9080



SCB-9060



Technical Specifications

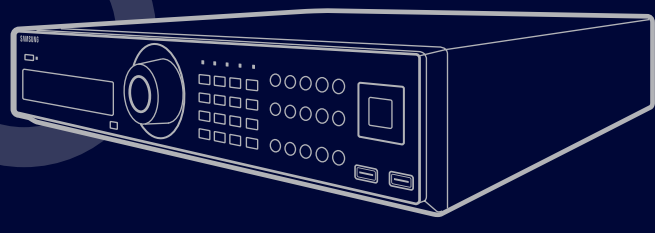
	SCB-9080N/9060N	SCB-9080P/9060P
VIDEO		
Imaging Device	320(H) x 240(H) uncooled VOX microbolometer	
Sensor Pitch	23.5μm	
Measured Wavelength Range	8 ~ 14um, LWIR	
Video Ratio (Sensor)	30fps	25fps
Thermal Sensitivity (NETD)	80mK@F1.0	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite, ITU-656 8bit digital output	
LENS		
Focal Length (Zoom Ratio)	50mm (Fixed) : SCB-9080, 14mm (Fixed) : SCB-9060	
Max. Aperture Ratio	1 : 1.4	
Angular Field of View (HxV)	8.6° x 6.5° : SCB-9080, 30° x 22.8° : SCB-9060	
Min. Object Distance	27m ~ ∞, Pan focus : SCB-9080, 3m ~ ∞, Pan focus : SCB-9060	
IFOV (Instaneous Field of View)	0.47mrad : SCB-9051, 1.68mrad : SCB-9050	
Focus Control	Manual	
OPERATIONAL		
On Screen Display	Multi-language OSD (19 Languages) English, French, German, Spanish, Italian, Portuguese, Russian, Polish, Czech, Serbian, Swedish, Romanian, Danish, Turkish, Korean, Japanese, Chinese, Taiwanese, Thai	
NUC (Non-Uniformity Correction)	Auto / Manual	
Temperature Range	-40°C ~ +500°C (-40°F ~ +932°F)	
Digital AE	Bypass, Min / Max, Weight mode selectable	
Brightness	32 steps adjustable	
Sharpness	32 steps adjustable	
Contrast Enhancement	32 steps adjustable	
Digital Noise Reduction	2D / 3D adaptive DNR (Off / Low / Medium / High)	
Digital Zoom	Off / On, 1.1x ~ 4x selectable	
Temperature Display	Area adjustable 8 zone & position movable cross point	
ISOTherm	Isolated temperature display	
Pseudo Color	B/W, W/B, Color1, Color2 selectable	
Temp Indicator	Min / Max scene temperature with color bar	
Alarm	Temperature detection, 1 GPIO alarm output	
Communication	Coax (Pelco coaxitron compatible), RS-485	
Protocol	Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, AD, GE	
ENVIRONMENTAL		
Operating Temperature / Humidity	-30°C ~ +55°C (-22°F ~ +131°F) / Less than 90% RH	
Ingress Protection	IP66 grade	
ELECTRICAL		
Input Voltage / Current	24V AC ±10%	
Power Consumption	Max. 10W / 30W (With heater)	
MECHANICAL		
Color / Material	Ivory / Aluminum	
Dimensions (WxHxD)	Ø104.0 x 123.0 x 323.3mm (Ø4.09" x 4.84" x 12.73")	
Weight	Approx. 1.8Kg (3.97 lb) : SCB-9080, Approx. 1.6Kg (3.53 lb) : SCB-9060	

* The latest product information / specification can be found at www.samsungsecurity.com

SAMSUNG TOTAL SECURITY SOLUTIONS



DVR

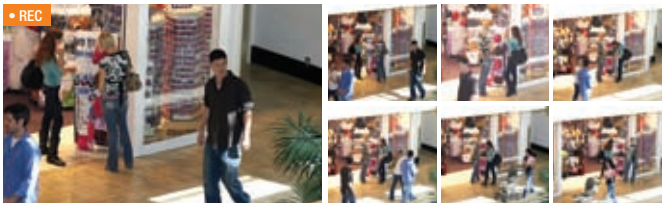


DVR Features

High Quality Image

Full HD Real-time Recording & Play back

The SRD series features exceptional live and playback image quality. Selected models such as SRD-1673D and SRD-873D are capable of recording up to real-time 960H/D1 images while the other units are providing up to real-time 4CIF/CIF images across selected channels, if not all channels.



REC Real-time Play Back

960H / CIF / 4CIF Real-time Recording

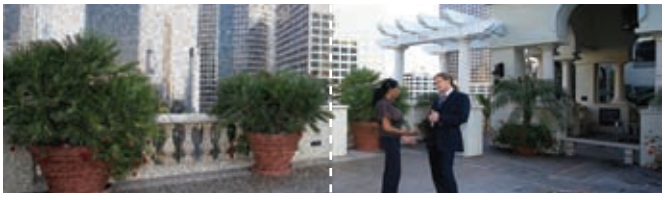
The SRD-1673D and SRD-873D support real-time, 30/25 frames per second recording and playback at 960 x 480 resolution over all channels. Samsung standard DVRs such as SRD-1670D(C)/1653D/870D(C)/470D series can provide 4CIF image quality and SRD-1650D(C)/1652D/1640/850D(C)/852D/840/442/440 series provide CIF quality of real time recording.



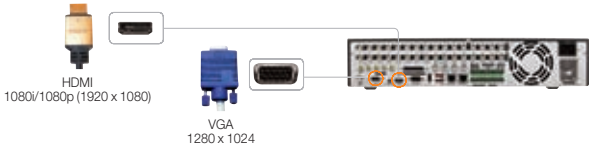
CIF Recording 4CIF Recording

High Definition Up-scaling (1080p)

H.264 real-time DVR series is equipped with various video outputs BNC/VGA/HDMI. HDMI enables the user to experience high definition 1920x1080p resolution image.



480 Resolution 1080p Resolution

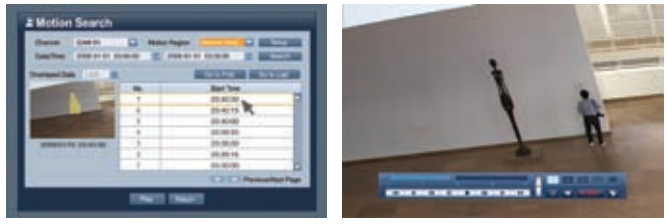


GUI (Graphic User Interface)

A shared GUI across all models makes it extremely easy to set-up and use the SRD series. Even a first-time user will be able to easily navigate the menu and operational functions thanks to its intuitive, user friendly design.

Motion Search

A one hour motion search window can be easily set up using the GUI. Finding out what happened in an area of interest is much more convenient with the Motion Search function. When user set the areas want to look up, this feature shows the changes in that areas for a given period of time.



Motion Search Real-time Play Back

Searching Preview

Displaying single still image before playback (all search mode support). In all search modes, the SRD series displays a single still image before playback to help identify the correct “Event to replay. User can easily recognize which channel to play.

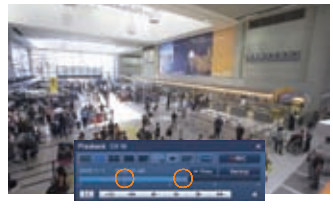
Search Mode • Event • Back up • POS • Motion • Time



Time Search Real-time Play Back

Easy Back up during Play Back

Convenient back-up is possible with all SRD series DVRs allowing users to assign the starting point and the ending point of the video that needs to be backed-up during playback.



Easy Back up GUI

The easy- to-use GUI supports various back-up modes for each channel. Users can select a back-up device and start/end time and then the DVR automatically checks the capacity of the device.



VPS (Virtual Progressive Scan)

All DVRs in the range feature VPS, this eliminates the problem of blurred edges on moving objects to provide picture-perfect still frame images.

Easy Upgrade and Installation

A fully removable back BNC panel allows hard drives to be easily swapped and upgraded without having to unplug all of the cables.

DVR Selection

		SRD-1673D	SRD-1670D/1670DC	SRD-1653D
				
OS	Embedded	Linux	Linux	Linux
Live	Frame Rate (NTSC / PAL)	480fps / 400fps	480fps / 400fps	480fps / 400fps
Recording	Max. Record Rate / NTSC	480fps@4CIF/960H	480fps@4CIF	120fps@4CIF/960H
	Max. Record Rate / PAL	400fps@4CIF/960H	400fps@4CIF	100fps@4CIF/960H
	Compression	H.264	H.264	H.264
Video	Inputs	16CH	16CH	16CH
	Loop Outputs	N/A	16	N/A
Audio	Inputs	16CH (Built-in 4CH)	16CH (Built-in 4CH)	16CH (Built-in 4CH)
Storage	Internal HDD	Up to 4 SATA HDDs	Up to 5 SATA HDDs	Up to 4 SATA HDDs
	External HDD	Up to 2 expansion bay	Up to 2 expansion bay	Up to 2 expansion bay
Monitors	VGA	Yes	Yes	Yes
	HDMI	Yes	Yes	Yes
	Main Composite	N/A	1CH (BNC)	N/A
	Spot Composite	2CH (Digital)	4CH (BNC)	2CH (Digital)
Connections	USB	2 ports	3 ports	2 ports
	e-SATA	2 External SATA ports	2 External SATA ports	2 External SATA ports
	DVD Writer (Back up)	Yes	Yes	Yes
	Mouse	Yes	Yes	Yes
Network	Remote Users	Search 3/ Live unicast 10 / Live multicast 20	Search 1 / Live unicast 10 / Live multicast 20	Search 3/ Live unicast 10 / Live multicast 20
	Transmission	4CIF, 2CIF, CIF	4CIF, CIF	4CIF, 2CIF, CIF
	Monitoring	NET-i viewer, SmartViewer, Webviewer	NET-i viewer, SmartViewer, Webviewer	NET-i viewer, SmartViewer, Webviewer
Removable BNC Panel		Yes	Yes	Yes
PTZ Control	Coax Protocol	Pelco-C, Samsung CCVC	Pelco-C, Samsung CCVC (SRD-1670DC)	Pelco-C, Samsung CCVC
	RS-485 Protocol	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO, GE	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO, GE

* Option : Audio extension cable

		SRD-1650D/1650DC	SRD-1652D	SRD-1640	SRD-873D
					
OS	Embedded	Linux	Linux	Linux	Linux
Live	Frame Rate (NTSC / PAL)	480fps / 400fps	480fps / 400fps	480fps / 400fps	240fps / 200fps
Recording	Max. Record Rate / NTSC	120fps@4CIF	120fps@4CIF	120fps@4CIF	240fps@4CIF/960H
	Max. Record Rate / PAL	100fps@4CIF	100fps@4CIF	100fps@4CIF	200fps@4CIF/960H
	Compression	H.264	H.264	H.264	H.264
Video	Inputs	16CH	16CH	16CH	8CH
	Loop Outputs	16	N/A	N/A	N/A
Audio	Inputs	16CH (Built-in 4CH)	4CH (Built-in 4CH)	4CH	8CH (Built-in 4CH)
Storage	Internal HDD	Up to 5 SATA HDDs	Up to 5 SATA HDDs	Up to 1 SATA HDD	Up to 4 SATA HDDs
	External HDD	Up to 2 expansion bay	N/A	N/A	Up to 2 expansion bay
Monitors	VGA	Yes	Yes	Yes	Yes
	HDMI	Yes	N/A	N/A	Yes
	Main Composite	1CH (BNC)	1CH (BNC)	1CH (BNC)	N/A
	Spot Composite	1CH (BNC)	1CH (BNC)	1CH (BNC)	2CH (Digital)
Connections	USB	3 ports	2 ports	2 ports	2 ports
	e-SATA	2 External SATA ports	N/A	N/A	2 External SATA ports
	DVD Writer (Back up)	Yes	Yes	N/A	Yes
	Mouse	Yes	Yes	Yes	Yes
Network	Remote Users	Search 3 / Live unicast 10 / Live multicast 20	Search 3 / Live unicast 10 / Live multicast 20	Search 2 / Live unicast 4 / Live multicast 4	Search 3/ Live unicast 10 / Live multicast 20
	Transmission	4CIF, CIF	4CIF, CIF	4CIF, CIF	4CIF, 2CIF, CIF
	Monitoring	NET-i viewer, SmartViewer, Webviewer	NET-i viewer, SmartViewer, Webviewer	NET-i viewer, SmartViewer, Webviewer	NET-i viewer, SmartViewer, Webviewer
Removable BNC Panel		Yes	Yes	N/A	Yes
PTZ Control	Coax Protocol	Pelco-C, Samsung CCVC (SRD-1650DC)	N/A	N/A	Pelco-C, Samsung CCVC
	RS-485 Protocol	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO, GE

* Option : Audio extension cable

DVR Selection

		SRD-870DC	SRD-850D/850DC	SRD-852D	SRD-840
					
OS	Embedded	Linux	Linux	Linux	Linux
Live	Frame Rate (NTSC / PAL)	240fps / 200fps	240fps / 200fps	240fps / 200fps	240fps / 200fps
Recording	Max. Record Rate / NTSC	240fps@4CIF	60fps@4CIF	60fps@4CIF	60fps@4CIF
	Max. Record Rate / PAL	200fps@4CIF	50fps@4CIF	50fps@4CIF	50fps@4CIF
	Compression	H.264	H.264	H.264	H.264
Video	Inputs	8CH	8CH	8CH	8CH
	Loop Outputs	8	8	N/A	N/A
Audio	Inputs	8CH (Built-in 4CH)	8CH (Built-in 4CH)	4CH (Built-in 4CH)	4CH
Storage	Internal HDD	Up to 5 SATA HDDs	Up to 5 SATA HDDs	Up to 4 SATA HDDs	Up to 1 SATA HDD
	External HDD	Up to 2 expansion bay	Up to 2 expansion bay	N/A	N/A
Monitors	VGA	Yes	Yes	Yes	Yes
	HDMI	Yes	Yes	Yes	N/A
	Main Composite	1CH (BNC)	1CH (BNC)	1CH (BNC)	1CH (BNC)
	Spot Composite	2CH	1CH	1CH	1CH (BNC)
Connections	USB	3 ports	3 ports	2 ports	2 ports
	e-SATA	2 External SATA ports	2 External SATA ports	N/A	N/A
	DVD Writer (Back up)	Yes	Yes	Yes	N/A
	Mouse	Yes	Yes	Yes	Yes
Network	Remote Users	Search 3 / Live unicast 10 / Live multicast 20	Search 3 / Live unicast 10 / Live multicast 20	Search 3 / Live unicast 10 / Live multicast 20	Search 2 / Live unicast 4 / Live multicast 4
	Transmission	4CIF, CIF	4CIF, CIF	4CIF, CIF	4CIF, CIF
	Monitoring	NET-i viewer, SmartViewer, Webviewer	NET-i viewer, SmartViewer, Webviewer	NET-i viewer, SmartViewer, Webviewer	NET-i viewer, SmartViewer, Webviewer
Removable BNC Panel		Yes	Yes	Yes	N/A
PTZ Control	Coax Protocol	Pelco-C, Samsung CCVC	Pelco-C, Samsung CCVC (SRD-850DC)	N/A	N/A
	RS-485 Protocol	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO

* Option : Audio extension cable

		SRD-470D	SRD-442	SRD-440	SRD-480D
					
OS	Embedded	Linux	Linux	Linux	Linux
Live	Frame Rate (NTSC / PAL)	120fps / 100fps	120fps / 100fps	120fps / 100fps	120fps
Recording	Max. Record Rate / NTSC	120fps@4CIF	30fps@4CIF	30fps@4CIF	120fps@720p
	Max. Record Rate / PAL	100fps@4CIF	25fps@4CIF	25fps@4CIF	
	Compression	H.264	H.264	H.264	H.264
Video	Inputs	4CH	4CH	4CH	4CH
	Loop Outputs	4	N/A	N/A	N/A
Audio	Inputs	4CH	1CH	1CH	4CH
Storage	Internal HDD	Up to 1 SATA HDD	Up to 2 SATA HDDs	Up to 1 SATA HDD	Up to 4 SATA HDDs
	External HDD	N/A	N/A	N/A	Up to 1 expansion bay
Monitors	VGA	Yes	Yes	Yes	Yes
	HDMI	N/A	N/A	N/A	Yes
	Main Composite	1CH (BNC)	1CH (BNC)	1CH (BNC)	N/A
	Spot Composite	1CH (Analog)	1CH (Analog)	1CH (Analog)	N/A
Connections	USB	2 ports	2 ports	2 ports	2 ports
	e-SATA	N/A	N/A	N/A	1 External SATA port
	DVD Writer (Back up)	Yes	N/A	N/A	Yes
	Mouse	Yes	Yes	Yes	Yes
Network	Remote Users	Search 3 / Live unicast 10 / Live multicast 20	Search 2 / Live unicast 4 / Live multicast 20	Search 2 / Live unicast 4 / Live multicast 20	Search 2 / Live unicast 10 / Live multicast 20
	Transmission	4CIF, CIF	4CIF, CIF	4CIF, CIF	4CIF, CIF
	Monitoring	NET-i viewer, SmartViewer, Webviewer	NET-i viewer, SmartViewer, Webviewer	NET-i viewer, SmartViewer, Webviewer	NET-i viewer, SmartViewer, Webviewer
Removable BNC Panel		Yes	N/A	N/A	N/A
PTZ Control	Coax Protocol	N/A	N/A	N/A	N/A
	RS-485 Protocol	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO	Samsung-T/E, Pelco-D/P

* Option : Audio extension cable

SRD-1673D

16CH 960H Real-time H.264 Digital Video Recorder



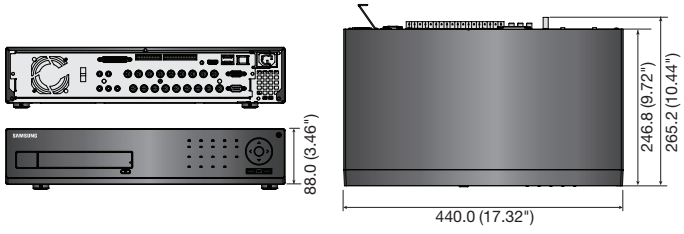
16CH | H.264 | 480fps(N) 400fps(P) | CMS | Smart Phone

Key Features

- 16CH 960H real-time DVR
- Up to 480(NTSC) / 400(PAL)fps recording rate
- Touch interface front panel
- Max. 4 internal HDD (HDD x 4)
- PTZ control via coaxial cable [Samsung CCVC, Pelco-C (Coaxitron)]
- DVD-RW, Smart phone support
- Up to 32Mbps network bandwidth

Dimensions

Unit : mm (inch)



Technical Specifications

		SRD-1673D
DISPLAY		
Video	Inputs	16 Composite video 0.5-1 Vp-p, 75 ohm automatic termination
	Resolution	NTSC : 960 x 480, 720 x 480 / PAL : 960 x 576, 720 x 576
Live	Frame Rate	NTSC : 480fps / PAL : 400fps
	Resolution	NTSC : 960 x 480, 704 x 480 / PAL : 960 x 576, 704 x 576
	Multi Screen Display	1 / 4 / 7 / 13 / 16 / 16A / Sequence / PIP
PERFORMANCE		
Operating System	Embedded	Linux
Recording	Compression	H.264
	Record Rate	NTSC : Up to 480fps@960 x 480 / PAL : Up to 400fps@960 x 576 NTSC : Up to 480fps@704 x 480 / PAL : Up to 400fps@704 x 576 NTSC : Up to 480fps@704 x 240 / PAL : Up to 400fps@704 x 288 NTSC : Up to 480fps@352 x 240 / PAL : Up to 400fps@352 x 288
	Mode	NTSC : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (1~30 fps) PAL : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (1 ~ 25fps)
	Event	Video loss, Motion (Level 1 ~ 10), Alarm, Tampering (Level 1~3)
	Overwrite Modes	Continuous
	Pre-alarm	Up to 30sec (5, 10, 20, 30sec)
	Post-alarm	Up to 6hour (5,10, 20, 30sec, 1, 3, 5, 10, 20min, 1, 2, 3, 4, 5, 6hour)
Search & Playback	Search Mode	Date/Time, Event, Back up, POS, Motion (*All search include preview function)
	Playback Function	Fast forward / backward (2x, 4x, 8x, 16x, 32x, 64x) *Backward play with i-frame only Slow forward / backward (1/2x, 1/4x, 1/8x) Step forward / backward (2x, 4x, 8x, 16x, 32x, 64x) *Backward play with i-frame only
Network	Transmission Speed	4CIF / 2CIF / CIF (NTSC : 120 / 240 / 480fps, PAL : 100 / 200 / 400fps)
	Bandwidth	Up to 32Mbps
	Bandwidth Control	Selectable
	Stream	H.264 (4CIF / 2CIF / CIF selectable)
	Max. Remote Users	Search 3 / Live unicast 10 / Live multicast 20
	Protocol Support	TCP/IP, DHCP, PPPoE, SMTP, NTP, HTTP, DDNS, RTP, RTSP, SNMP
	Monitoring	NET-i viewer, SmartViewer, Webviewer
Smart Phone	Platform	Android, iOS
	Protocol Support	RTP, RTSP, HTTP, CGI
	Max. Remote Users	Live 1
Storage	Internal HDD	Up to 4 SATA HDDs
	External (e-SATA Interface)	Up to 2 expansion bay (*Model : SVS-5R/5E)
	DVD Writer (Back up)	Yes
	USB (Back up)	2 USB ports
	File Format (Back up)	BU (DVR player), EXE (Include player)
Security	Password Protection	1 Admin, 10 Group, 10 User per 1 group
	Data Authentication	Watermark
INTERFACE		
Monitors	VGA	1 VGA (1280 x 720, 1280 x 1024, 1920 x 1080)
	HDMI	1 HDMI (1280 x 720, 1280 x 1024, 1920 x 1080)
	Spot Composite	Digital spot (2CH) *Incldued OSD on screen, multi mode support (1CH)
Audio	Inputs / Output	16CH line in (Built-in 4CH, option : audio extension cable) / 1CH line out
	Compression	G.711
	Sampling Rate	8KHz
Alarm	Inputs / Output	Terminal 16 inputs (NO/NC) / Terminal 4 relay outputs (NO/NC), Rating : 30V DC / 2A, 250V AC / 0.25A
	Remote Notification	Notification via e-mail
Connections	Ethernet	1 RJ-45 10/100/1000 Base-T
	Serial Interface	RS-232/RS-485 for PTZ, Samsung system keyboard
	USB	USB 2.0, 2 ports
	eSATA	2 External SATA ports
	Application Support	Mouse, Remote controller
	Protocol Support	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO, GE PTZ control via coaxial cable [Samsung CCVC, Pelco-C (Coaxitron)]
GENERAL		
Electrical	Input Voltage / Current	100 ~ 240V AC ±10%, 50/60Hz, Autoranging
	Power Consumption	Max. 60W (With 1x HDD)
Environmental	Operating Temperature / Humidity	+0°C ~ +40°C (+32°F ~ +104°F) / 20% ~ 85% RH
Mechanical	Dimensions (WxHxD)	440.0 x 88.0 x 246.8mm (17.32" x 3.46" x 9.72")
	Weight (With hard disks)	Approx. 5.2Kg (11.46 lb)
	Rack Mount Kit	2ea
Language		Korean, Japanese, Chinese (Simplified/Traditional), English, French, German, Spanish, Italian, Russian, Polish, Czech, Turkish, Netherlands, Portuguese, Swedish, Danish, Thai, Romanian, Serbian, Croatian, Hungarian, Greek, Chinese, Finnish, Norwegian (25 Language)

* The latest product information / specification can be found at www.samsungsecurity.com

SRD-1670D/1670DC

16CH 4CIF Real-time H.264 Digital Video Recorder





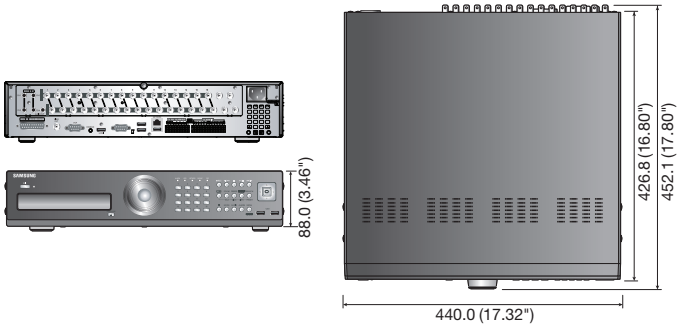


Key Features

- 16CH 4CIF real-time DVR
- Up to 480(NTSC) / 400(PAL)fps recording rate
- Max. 5 internal HDD (HDD x 5)
- SRD-1670DC : PTZ control via coaxial cable
  [Samsung CCVC, Pelco-C (Coaxitron)]
- DVD-RW, Smart phone support

Dimensions

Unit : mm (inch)



Technical Specifications

		SRD-1670D/1670DC
DISPLAY		
Video	Inputs	16 Composite video 0.5-1 Vp-p, 75 ohm automatic termination
	Resolution	NTSC : 720 x 480 / PAL : 720 x 576
Live	Frame Rate	NTSC : 480fps / PAL : 400fps
	Resolution	NTSC : 720 x 480 / PAL : 720 x 576
	Multi Screen Display	1 / 4 / 6 / 8 / 9 / 13 / 16 / Sequence / PIP
PERFORMANCE		
Operating System	Embedded	Linux
Recording	Compression	H.264
	Record Rate	NTSC : Up to 480fps@704 x 480 / PAL : Up to 400fps@704 x 576 NTSC : Up to 480fps@704 x 240 / PAL : Up to 400fps@704 x 288 NTSC : Up to 480fps@352 x 240 / PAL : Up to 400fps@352 x 288
	Mode	NTSC : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (0.9 / 1.9 / 3.8 / 7.5 / 15 / 30fps) PAL : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (0.8 / 1.6 / 3.1 / 6.2 / 12.5 / 25fps)
	Event	Video loss, Motion (Level 1 ~ 10), Alarm
	Overwrite Modes	Selectable (Stop / Continuous)
	Pre-alarm	Up to 30sec (5, 10, 20, 30sec)
	Post-alarm	Up to 6hour (5,10, 20, 30sec, 1, 3, 5, 10, 20min, 1, 2, 3, 4, 5, 6hour)
Search & Playback	Search Mode	Date/Time, Event, Back up, POS (*All search include preview function)
	Playback Function	Fast forward / backward, Slow forward / backward, Step forward / backward
Network	Transmission Speed	CIF 480/400fps
	Bandwidth	Up to 8Mbps, Unlimited (8M) / 2 / 1.5 / 1Mbps / 800 / 600 / 500 / 400 / 300 / 200 / 100 / 50kbps
	Bandwidth Control	Selectable
	Stream	H.264 (4CIF / 2CIF / CIF selectable)
	Max. Remote Users	Search 1 / Live unicast 10 / Live multicast 20
	Protocol Support	TCP/IP, UDP, DHCP, PPPoE, SMTP, NTP, HTTP, DDNS, RTP, RTSP, SNMP
	Monitoring	NET-i viewer, SmartViewer, Webviewer
Smart Phone	Platform	Android, iOS
	Protocol Support	RTP, RTSP, HTTP, CGI
	Max. Remote Users	Live 1
Storage	Internal HDD	Up to 5 SATA HDDs
	External (e-SATA Interface)	Up to 2 expansion bay (*Model : SVS-5R)
	DVD Writer (Back up)	Yes
	USB (Back up)	3 USB ports
	File Format (Back up)	BU (DVR player), EXE (Include player), AVI
Security	Password Protection	1 Admin, 10 Group, 10 User per 1 group
	Data Authentication	Watermark
INTERFACE		
Monitors	VGA	1 VGA (800 x 600, 1024 x 768, 1280 x 1024)
	HDMI	1 HDMI (480p / 720p / 1080p resolution)
	Main Composite	1 BNC (1 Vp-p, 75 ohm)
	Spot Composite	Digital spot (4 BNC, 1 Vp-p, 75 ohm), support multi screen and camera title
	Loop Outputs	16
Audio	Inputs / Output	16CH line in (Built-in 4CH, option : audio extension cable) / 1CH line out
	Compression	ADPCM
	Sampling Rate	16KHz
Alarm	Inputs / Output	Terminal 16 inputs (NO/NC) / Terminal 4 relay outputs (NO), Rating : 30V DC / 2A, 125V AC / 0.5A
	Remote Notification	Notification via e-mail
Connections	Ethernet	1 RJ-45 10/100/1000 Base-T
	Serial Interface	RS-485(Half) for PTZ, System keyboard, RS-232 support for POS interface (VSI-Pro)
	USB	USB 2.0, 3 ports
	eSATA	2 External SATA ports
	Application Support	Mouse, Remote controller
	Protocol Support	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO *SRD-1670DC : PTZ control via coaxial cable [Samsung CCVC, Pelco-C (Coaxitron)]
GENERAL		
Electrical	Input Voltage / Current	100 ~ 240V AC ±10%, 50/60Hz, Autoranging
	Power Consumption	Max. 60W (With 1x HDD)
Environmental	Operating Temperature / Humidity	+0°C ~ +40°C (+32°F ~ +104°F) / 20% ~ 85% RH
Mechanical	Dimensions (WxHxD)	440.0 x 88.0 x 426.8mm (17.32" x 3.46" x 16.80")
	Weight (With hard disks)	Approx. 7.5Kg (16.53 lb)
	Rack Mount Kit	2ea
Language		Korean, Japanese, Chinese, English, French, German, Spanish, Italian, Russian, Polish, Czech, Turkish, Netherlands, Portuguese, Swedish, Danish, Thai, Romanian, Serbian, Croatian, Hungary, Greek, Taiwanese (23 Language)

* The latest product information / specification can be found at www.samsungsecurity.com

SRD-1653D

16CH 960H H.264 Digital Video Recorder



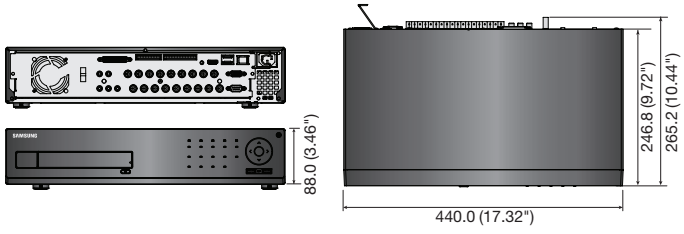
16CH | H.264 | 480fps(N) 400fps(P) | CMS | Smart Phone

Key Features

- 16CH CIF real-time DVR
- 960H resolution support
- Up to 480(NTSC) / 400(PAL)fps recording rate
- Touch interface front panel
- Max. 4 internal HDD (HDD x 4)
- PTZ control via coaxial cable [Samsung CCVC, Pelco-C (Coaxitron)]
- DVD-RW, Smart phone support
- Up to 32Mbps network bandwidth

Dimensions

Unit : mm (inch)



Technical Specifications

		SRD-1653D
DISPLAY		
Video	Inputs	16 Composite video 0.5-1 Vp-p, 75 ohm automatic termination
	Resolution	NTSC : 960 x 480, 720 x 480 / PAL : 960 x 576, 720 x 576
Live	Frame Rate	NTSC : 480fps / PAL : 400fps
	Resolution	NTSC : 960 x 480, 704 x 480 / PAL : 960 x 576, 704 x 576
	Multi Screen Display	1 / 4 / 7 / 13 / 16 / 16A / Sequence / PIP
PERFORMANCE		
Operating System	Embedded	Linux
Recording	Compression	H.264
	Record Rate	NTSC : Up to 120fps@960 x 480 / PAL : Up to 100fps@960 x 576 NTSC : Up to 120fps@704 x 480 / PAL : Up to 100fps@704 x 576 NTSC : Up to 240fps@704 x 240 / PAL : Up to 200fps@704 x 288 NTSC : Up to 480fps@352 x 240 / PAL : Up to 400fps@352 x 288
	Mode	NTSC : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (1~30 fps) PAL : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (1 ~ 25fps)
	Event	Video loss, Motion (Level 1 ~ 10), Alarm, Tampering (Level 1~3)
	Overwrite Modes	Continuous
	Pre-alarm	Up to 30sec (5, 10, 20, 30sec)
	Post-alarm	Up to 6hour (5,10, 20, 30sec, 1, 3, 5, 10, 20min, 1, 2, 3, 4, 5, 6hour)
Search & Playback	Search Mode	Date/Time, Event, Back up, POS, Motion (*All search include preview function)
	Playback Function	Fast forward / backward (2x, 4x, 8x, 16x, 32x, 64x) *Backward play with i-frame only Slow forward / backward (1/2x, 1/4x, 1/8x) Step forward / backward (2x, 4x, 8x, 16x, 32x, 64x) *Backward play with i-frame only
Network	Transmission Speed	4CIF / 2CIF / CIF (NTSC : 120 / 240 / 480fps, PAL : 100 / 200 / 400fps)
	Bandwidth	Up to 32Mbps
	Bandwidth Control	Selectable
	Stream	H.264 (4CIF / 2CIF / CIF selectable)
	Max. Remote Users	Search 3 / Live unicast 10 / Live multicast 20
	Protocol Support	TCP/IP, DHCP, PPPoE, SMTP, NTP, HTTP, DDNS, RTP, RTSP, SNMP
	Monitoring	NET-i viewer, SmartViewer, Webviewer
Smart Phone	Platform	Android, iOS
	Protocol Support	RTP, RTSP, HTTP, CGI
	Max. Remote Users	Live 1
Storage	Internal HDD	Up to 4 SATA HDDs
	External (e-SATA Interface)	Up to 2 expansion bay (*Model : SVS-5R/5E)
	DVD Writer (Back up)	Yes
	USB (Back up)	2 USB ports
	File Format (Back up)	BU (DVR player), EXE (Include player)
Security	Password Protection	1 Admin, 10 Group, 10 User per 1 group
	Data Authentication	Watermark
INTERFACE		
Monitors	VGA	1 VGA (1280 x 720, 1280 x 1024, 1920 x 1080)
	HDMI	1 HDMI (1280 x 720, 1280 x 1024, 1920 x 1080)
	Spot Composite	Digital spot (2CH) *Incldued OSD on screen, multi mode support (1CH)
Audio	Inputs / Output	16CH line in (Built-in 4CH, option : audio extension cable) / 1CH line out
	Compression	G.711
	Sampling Rate	8KHz
Alarm	Inputs / Output	Terminal 16 inputs (NO/NC) / Terminal 4 relay outputs (NO/NC), Rating : 30V DC / 2A, 250V AC / 0.25A
	Remote Notification	Notification via e-mail
Connections	Ethernet	1 RJ-45 10/100/1000 Base-T
	Serial Interface	RS-232/RS-485 for PTZ, Samsung system keyboard
	USB	USB 2.0, 2 ports
	eSATA	2 External SATA ports
	Application Support	Mouse, Remote controller
	Protocol Support	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO, GE PTZ control via coaxial cable [Samsung CCVC, Pelco-C (Coaxitron)]
GENERAL		
Electrical	Input Voltage / Current	100 ~ 240V AC ±10%, 50/60Hz, Autoranging
	Power Consumption	Max. 60W (With 1x HDD)
Environmental	Operating Temperature / Humidity	+0°C ~ +40°C (+32°F ~ +104°F) / 20% ~ 85% RH
Mechanical	Dimensions (WxHxD)	440.0 x 88.0 x 246.8mm (17.32" x 3.46" x 9.72")
	Weight (With hard disks)	Approx. 5.2Kg (11.46 lb)
	Rack Mount Kit	2ea
Language		Korean, Japanese, Chinese (Simplified/Traditional), English, French, German, Spanish, Italian, Russian, Polish, Czech, Turkish, Netherlands, Portuguese, Swedish, Danish, Thai, Romanian, Serbian, Croatian, Hungarian, Greek, Chinese, Finnish, Norwegian (25 Language)

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SRD-1650D/1650DC

16CH CIF Real-time H.264 Digital Video Recorder



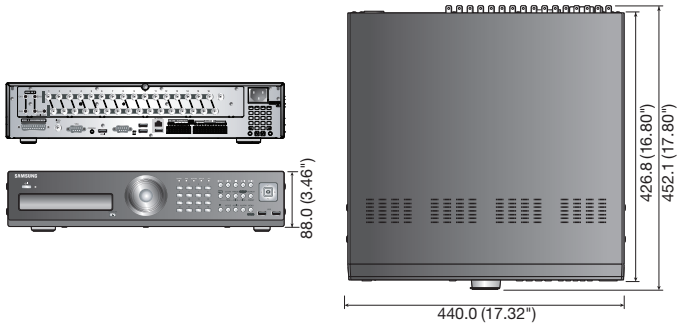


Key Features

- 16CH CIF real-time DVR
- Up to 480(NTSC) / 400(PAL)fps recording rate
- Max. 5 internal HDD (HDD x 5)
- SRD-1650DC : PTZ control via coaxial cable
  [Samsung CCVC, Pelco-C (Coaxitron)]
- DVD-RW, Smart phone support

Dimensions

Unit : mm (inch)



Technical Specifications

		SRD-1650D/1650DC
DISPLAY		
Video	Inputs	16 Composite video 0.5-1 Vp-p, 75 ohm automatic termination
	Resolution	NTSC : 720 x 480 / PAL : 720 x 576
Live	Frame Rate	NTSC : 480fps / PAL : 400fps
	Resolution	NTSC : 720 x 480 / PAL : 720 x 576
	Multi Screen Display	1 / 4 / 6 / 8 / 9 / 13 / 16 / Sequence / PIP
PERFORMANCE		
Operating System	Embedded	Linux
Recording	Compression	H.264
	Record Rate	NTSC : Up to 120fps@704 x 480 / PAL : Up to 100fps@704 x 576 NTSC : Up to 240fps@704 x 240 / PAL : Up to 200fps@704 x 288 NTSC : Up to 480fps@352 x 240 / PAL : Up to 400fps@352 x 288
	Mode	NTSC : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (0.9 / 1.9 / 3.8 / 7.5 / 15 / 30fps) PAL : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (0.8 / 1.6 / 3.1 / 6.2 / 12.5 / 25fps)
	Event	Video loss, Motion (Level 1 ~ 10), Alarm
	Overwrite Modes	Selectable (Stop / Continuous)
	Pre-alarm	Up to 30sec (5, 10, 20, 30sec)
	Post-alarm	Up to 6hour (5,10, 20, 30sec, 1, 3, 5, 10, 20min, 1, 2, 3, 4, 5, 6hour)
Search & Playback	Search Mode	Date/Time, Event, Back up, POS (*All search include preview function)
	Playback Function	Fast forward / backward, Slow forward / backward, Step forward / backward
Network	Transmission Speed	CIF 480/400fps
	Bandwidth	Up to 8Mbps, Unlimited (8M) / 2 / 1.5 / 1Mbps / 800 / 600 / 500 / 400 / 300 / 200 / 100 / 50kbps
	Bandwidth Control	Selectable
	Stream	H.264 (4CIF / 2CIF / CIF selectable)
	Max. Remote Users	Search 3 / Live unicast 10 / Live multicast 20
	Protocol Support	TCP/IP, UDP, DHCP, PPPoE, SMTP, NTP, HTTP, DDNS, RTP, RTSP, SNMP
	Monitoring	NET-i viewer, SmartViewer, Webviewer
Smart Phone	Platform	Android, iOS
	Protocol Support	RTP, RTSP, HTTP, CGI
	Max. Remote Users	Live 1
Storage	Internal HDD	Up to 5 SATA HDDs
	External (e-SATA Interface)	Up to 2 expansion bay (*Model : SVS-5R)
	DVD Writer (Back up)	Yes
	USB (Back up)	3 USB ports
	File Format (Back up)	BU (DVR player), EXE (Include player), AVI
Security	Password Protection	1 Admin, 10 Group, 10 User per 1 group
	Data Authentication	Watermark
INTERFACE		
Monitors	VGA	1 VGA (800 x 600, 1024 x 768, 1280 x 1024)
	HDMI	1 HDMI (480p / 720p / 1080p resolution)
	Main Composite	1 BNC (1 Vp-p, 75 ohm)
	Spot Composite	Digital spot (1 BNC, 1 Vp-p, 75 ohm), support multi screen and camera title
	Loop Outputs	16
Audio	Inputs / Output	16CH line in (Built-in 4CH, option : audio extension cable) / 1CH line out
	Compression	ADPCM
	Sampling Rate	16KHz
Alarm	Inputs / Output	Terminal 16 inputs (NO/NC) / Terminal 4 relay outputs (NO), Rating : 30V DC / 2A, 125V AC / 0.5A
	Remote Notification	Notification via e-mail
Connections	Ethernet	1 RJ-45 10/100/1000 Base-T
	Serial Interface	RS-485(Half) for PTZ, System keyboard, RS-232 support for POS interface (VSI-Pro)
	USB	USB 2.0, 3 ports
	eSATA	2 External SATA ports
	Application Support	Mouse, Remote controller
	Protocol Support	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO *SRD-1650DC : PTZ control via coaxial cable [Samsung CCVC, Pelco-C (Coaxitron)]
GENERAL		
Electrical	Input Voltage / Current	100 ~ 240V AC ±10%, 50/60Hz, Autoranging
	Power Consumption	Max. 60W (With 1x HDD)
Environmental	Operating Temperature / Humidity	+0°C ~ +40°C (+32°F ~ +104°F) / 20% ~ 85% RH
Mechanical	Dimensions (WxHxD)	440.0 x 88.0 x 426.8mm (17.32" x 3.46" x 16.80")
	Weight (With hard disks)	Approx. 7.5Kg (16.53 lb)
	Rack Mount Kit	2ea
Language		Korean, Japanese, Chinese, English, French, German, Spanish, Italian, Russian, Polish, Czech, Turkish, Netherlands, Portuguese, Swedish, Danish, Thai, Romanian, Serbian, Croatian, Hungary, Greek, Taiwanese (23 Language)

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SRD-1652D

16CH CIF Real-time H.264 Digital Video Recorder



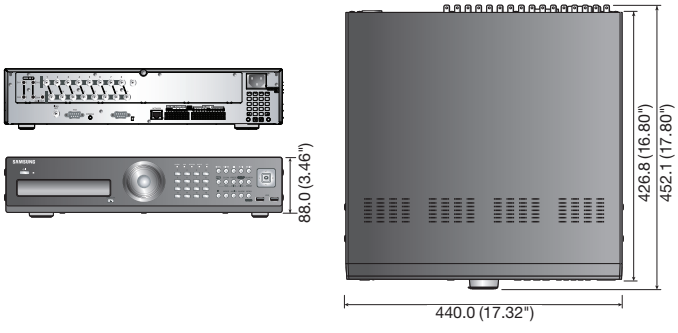
16CH | H.264 | 480fps(N) 400fps(P) | CMS | Smart Phone

Key Features

- 16CH CIF real-time DVR
- Up to 480(NTSC) / 400(PAL)fps recording rate
- Max. 4 internal HDD (HDD x 4)
- DVD-RW, Smart phone support

Dimensions

Unit : mm (inch)



Technical Specifications

		SRD-1652D
DISPLAY		
Video	Inputs	16 Composite video 0.5-1 Vp-p
	Resolution	NTSC : 720 x 480 / PAL : 720 x 576
Live	Frame Rate	NTSC : 480fps / PAL : 400fps
	Resolution	NTSC : 720 x 480 / PAL : 720 x 576
	Multi Screen Display	1 / 4 / 6 / 8 / 9 / 13 / 16 / PIP
PERFORMANCE		
Operating System	Embedded	Linux
Recording	Compression	H.264
	Record Rate	NTSC : Up to 120fps@704 x 480 / PAL : Up to 100fps@704 x 576 NTSC : Up to 240fps@704 x 240 / PAL : Up to 200fps@704 x 288 NTSC : Up to 480fps@352 x 240 / PAL : Up to 400fps@352 x 288
	Mode	NTSC : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (0.9 / 1.9 / 3.8 / 7.5 / 15 / 30fps) PAL : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (0.8 / 1.6 / 3.1 / 6.2 / 12.5 / 25fps)
	Event	Video loss, Motion (Level 1 ~ 10), Alarm
	Overwrite Modes	Continuous
	Pre-alarm	Up to 5sec
	Post-alarm	Up to 6hour (5,10, 20, 30sec, 1, 3, 5, 10, 20min, 1, 2, 3, 4, 5, 6hour)
Search & Playback	Search Mode	Date/Time, Event, Back up, POS, Motion (*All search mode include preview function)
	Playback Function	Fast forward / backward, Slow forward / backward, Step forward / backward
Network	Transmission Speed	CIF 120/100fps
	Bandwidth	Up to 8Mbps, Unlimited (8M) / 2 / 1.5 / 1Mbps / 800 / 600 / 500 / 400 / 300 / 200 / 100 / 50kbps
	Bandwidth Control	Selectable
	Stream	H.264 (Max. CIF 120)
	Max. Remote Users	Search 3 / Live unicast 10 / Live multicast 20
	Protocol Support	TCP/IP, UDP, DHCP, PPPoE, SMTP, NTP, HTTP, DDNS, RTP, RTSP, SNMP
	Monitoring	NET-i viewer, SmartViewer, Webviewer
Smart Phone	Platform	Android, iOS
	Protocol Support	RTP, RTSP, HTTP, CGI
	Max. Remote Users	Live 1
Storage	Internal HDD	Up to 4 SATA HDDs
	DVD Writer (Back up)	Yes
	USB (Back up)	2 USB ports
	File Format (Back up)	BU (DVR player), EXE (Include player), AVI
Security	Password Protection	1 Admin, 10 Group, 10 User per 1 group
	Data Authentication	Watermark
INTERFACE		
Monitors	VGA	1 VGA (800 x 600, 1024 x 768, 1280 x 1024)
	Main Composite	1 BNC (1 Vp-p, 75 ohm)
	Spot Composite	Analogue spot (1 BNC, 1 Vp-p, 75 ohm)
Audio	Inputs / Output	4 Line in (Built-in 4CH, RCA / 1CH line out (RCA)
	Compression	ADPCM
	Sampling Rate	16KHz
Alarm	Inputs / Output	Terminal 16 inputs (NO/NC),Terminal 1 inputs (Alarm Reset), Terminal 4 relay outputs (NO), Rating : 24V DC / 1A, 125V AC / 0.5A
	Remote Notification	Notification via e-mail
Connections	Ethernet	1 RJ-45 10/100 Base-T
	Serial Interface	RS-232/RS-485 for PTZ, Samsung system keyboard
	USB	USB 2.0, 2 ports (Front)
	Application Support	Mouse, Remote controller
	Protocol Support	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO
GENERAL		
Electrical	Input Voltage / Current	100 ~ 240V AC ±10%, 50/60Hz, Autoranging
	Power Consumption	Max. 60W (With 1x HDD)
Environmental	Operating Temperature / Humidity	+0°C ~ +40°C (+32°F ~ +104°F) / 20% ~ 85% RH
Mechanical	Dimensions (WxHxD)	440.0 x 88.0 x 426.8mm (17.32" x 3.46" x 16.80")
	Weight (With hard disks)	Approx. 7.5Kg (16.53 lb)
	Rack Mount Kit	2ea
Language		Korean, Japanese, Chinese, English, French, German, Spanish, Italian, Russian, Polish, Czech, Turkish, Netherlands, Portuguese, Swedish, Danish, Thai, Romanian, Serbian, Croatian, Hungary, Greek, Taiwanese (23 Language)

* The latest product information / specification can be found at www.samsungsecurity.com

SRD-1640

16CH CIF Real-time H.264 Digital Video Recorder



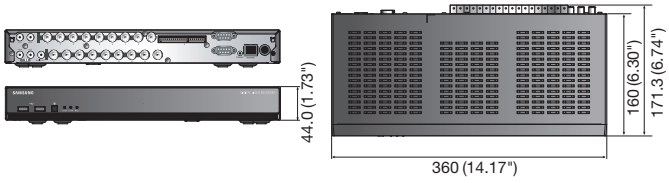


Key Features

- 16CH CIF real-time DVR
- Up to 480(NTSC) / 400(PAL)fps recording rate
- Max. 1 internal HDD
- Smart phone support
- Compact product footprint

Dimensions

Unit : mm (inch)



Technical Specifications

		SRD-1640
DISPLAY		
Video	Inputs	16 Composite video 0.5-1 Vp-p, 75 ohm
	Resolution	NTSC : 720 x 480 / PAL : 720 x 576
Live	Frame Rate	NTSC : 480fps / PAL : 400fps
	Resolution	NTSC : 720 x 480 / PAL : 720 x 576
	Multi Screen Display	1 / 4 / 6 / 8 / 9 / 13 / 16 / Sequence / PIP
PERFORMANCE		
Operating System	Embedded	Linux
Recording	Compression	H.264
	Record Rate	NTSC : Up to 120fps@704 x 480 / PAL : Up to 100fps@704 x 576 NTSC : Up to 240fps@704 x 240 / PAL : Up to 200fps@704 x 288 NTSC : Up to 480fps@352 x 240 / PAL : Up to 400fps@352 x 288
	Mode	NTSC / PAL : Manual, Schedule (Continuous / Event), Event (Pre / Post)
	Event	Video loss, Motion (Level 1 ~ 10), Alarm
	Overwrite Modes	Selectable (Stop / Continuous)
	Pre-alarm	Up to 5sec
	Post-alarm	Up to 6hour (5,10, 20, 30sec, 1, 3, 5, 10, 20min, 1, 2, 3, 4, 5, 6hour)
Search & Playback	Search Mode	Date/Time, Event, Back up, POS, Motion (*All search include preview function)
	Playback Function	Fast forward / backward (2x, 4x, 8x, 16x, 32x, 64x) *Backward play with I-frame only Slow forward / backward (1/2x, 1/4x, 1/8x)
Network	Transmission Speed	CIF 120/100fps
	Bandwidth	Up to 4Mbps, Unlimited (4M) / 2 / 1.5 / 1Mbps / 800 / 600 / 500 / 400 / 300 / 200 / 100 / 50kbps
	Bandwidth Control	Automatic
	Stream	H.264 (CIF)
	Max. Remote Users	Search 2 / Live unicast 4 / Live multicast 4
	Protocol Support	TCP/IP, UDP, DHCP, PPPoE, SMTP, NTP, HTTP, DDNS, RTP, RTSP, SNMP
	Monitoring	NET-i viewer, SmartViewer, Webviewer
Smart Phone	Platform	Android, iOS
	Protocol Support	RTP, RTSP, HTTP, CGI
	Max. Remote Users	Live 1
Storage	Internal HDD	Up to 1 SATA HDD
	USB (Back up)	2 USB ports
	File Format (Back up)	BU (DVR player), EXE (Include player)
Security	Password Protection	1 Admin, 10 Group, 10 User per 1group
	Data Authentication	Watermark
INTERFACE		
Monitors	VGA	1 VGA (1024 x 768) *Main composite or VGA selected in booting
	Main Composite	1 BNC (1 Vp-p, 75 ohm) *Main composite or VGA selected in booting
	Spot Composite	Analog spot (1 BNC, 1 Vp-p, 75 ohm)
Audio	Inputs / Output	4CH line in / 1CH line out
	Compression	G.711
	Sampling Rate	8KHz
Alarm	Inputs / Output	Terminal 16 inputs (NO/NC) / Terminal 4 relay outputs (NO), Rating : 24V DC / 2A, 125V AC / 0.5A
	Remote Notification	Notification via e-mail
Connections	Ethernet	1 RJ-45 10/100 Base-T
	Serial Interface	RS-485(Half) for PTZ, System keyboard, RS-232 support for POS interface (VSI-Pro)
	USB	USB 2.0, 2 ports (Front)
	Application Support	Mouse, Remote controller
	Protocol Support	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO
GENERAL		
Electrical	Input Voltage / Current	12V DC adaptor, 4A, 100 ~ 250V AC, 50/60Hz, 48watt
	Power Consumption	Max. 19W (With 1x HDD)
Environmental	Operating Temperature / Humidity	+0°C ~ +40°C (+32°F ~ +104°F) / 20% ~ 85% RH
Mechanical	Dimensions (WxHxD)	360.0 x 44.0 x 160.0mm (14.17" x 1.73" x 6.30")
	Weight (With hard disks)	Approx. 1.7Kg (3.75 lb)
Language		Korean, Japanese, Chinese, English, French, German, Spanish, Italian, Russian, Polish, Czech, Turkish, Netherlands, Portuguese, Swedish, Danish, Thai, Romanian, Serbian, Croatian, Hungary, Greek (22 Language)

* The latest product information / specification can be found at www.samsungsecurity.com

SRD-873D

8CH 960H Real-time H.264 Digital Video Recorder



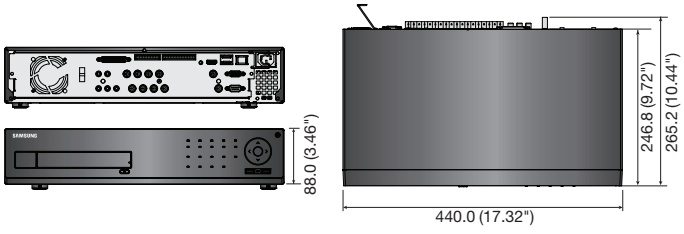
8CH | H.264 | 240fps(N) 200fps(P) | CMS | Smart Phone

Key Features

- 8CH 960H real-time DVR
- Up to 240(NTSC) / 200(PAL)fps recording rate
- Touch interface front panel
- Max. 4 internal HDD (HDD x 4)
- PTZ control via coaxial cable [Samsung CCVC, Pelco-C (Coaxitron)]
- DVD-RW, Smart phone support
- Up to 32Mbps network bandwidth

Dimensions

Unit : mm (inch)



Technical Specifications

		SRD-873D
DISPLAY		
Video	Inputs	8 Composite video 0.5-1 Vp-p, 75 ohm automatic termination
	Resolution	NTSC : 960 x 480, 720 x 480 / PAL : 960 x 576, 720 x 576
Live	Frame Rate	NTSC : 240fps / PAL : 200fps
	Resolution	NTSC : 960 x 480, 704 x 480 / PAL : 960 x 576, 704 x 576
	Multi Screen Display	1 / 4 / 7 / 9 / 13 / Sequence / PIP
PERFORMANCE		
Operating System	Embedded	Linux
Recording	Compression	H.264
	Record Rate	NTSC : Up to 240fps@960 x 480 / PAL : Up to 200fps@960 x 576 NTSC : Up to 240fps@704 x 480 / PAL : Up to 200fps@704 x 576 NTSC : Up to 240fps@704 x 240 / PAL : Up to 200fps@704 x 288 NTSC : Up to 240fps@352 x 240 / PAL : Up to 200fps@352 x 288
	Mode	NTSC : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (1~30 fps) PAL : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (1 ~ 25fps)
	Event	Video loss, Motion (Level 1 ~ 10), Alarm, Tampering (Level 1~3)
	Overwrite Modes	Continuous
	Pre-alarm	Up to 30sec (5, 10, 20, 30sec)
	Post-alarm	Up to 6hour (5,10, 20, 30sec, 1, 3, 5, 10, 20min, 1, 2, 3, 4, 5, 6hour)
Search & Playback	Search Mode	Date/Time, Event, Back up, POS, Motion (*All search include preview function)
	Playback Function	Fast forward / backward (2x, 4x, 8x, 16x, 32x, 64x) *Backward play with i-frame only Slow forward / backward (1/2x, 1/4x, 1/8x) Step forward / backward (2x, 4x, 8x, 16x, 32x, 64x) *Backward play with i-frame only
Network	Transmission Speed	4CIF / 2CIF / CIF (NTSC : 120 / 240 / 480fps, PAL : 100 / 200 / 400fps)
	Bandwidth	Up to 32Mbps
	Bandwidth Control	Selectable
	Stream	H.264 (4CIF / 2CIF / CIF selectable)
	Max. Remote Users	Search 3 / Live unicast 10 / Live multicast 20
	Protocol Support	TCP/IP, DHCP, PPPoE, SMTP, NTP, HTTP, DDNS, RTP, RTSP, SNMP
	Monitoring	NET-i viewer, SmartViewer, Webviewer
Smart Phone	Platform	Android, iOS
	Protocol Support	RTP, RTSP, HTTP, CGI
	Max. Remote Users	Live 1
Storage	Internal HDD	Up to 4 SATA HDDs
	External (e-SATA Interface)	Up to 2 expansion bay (*Model : SVS-5R/5E)
	DVD Writer (Back up)	Yes
	USB (Back up)	2 USB ports
	File Format (Back up)	BU (DVR player), EXE (Include player)
Security	Password Protection	1 Admin, 10 Group, 10 User per 1 group
	Data Authentication	Watermark
INTERFACE		
Monitors	VGA	1 VGA (1280 x 720, 1280 x 1024, 1920 x 1080)
	HDMI	1 HDMI (1280 x 720, 1280 x 1024, 1920 x 1080)
	Spot Composite	Digital spot (2CH) *Incldued OSD on screen, multi mode support (1CH)
Audio	Inputs / Output	8CH line in (Built-in 4CH, option : audio extension cable) / 1CH line out
	Compression	G.711
	Sampling Rate	8KHz
Alarm	Inputs / Output	Terminal 8 inputs (NO/NC) / Terminal 4 relay outputs (NO/NC), Rating : 30V DC / 2A, 250V AC / 0.25A
	Remote Notification	Notification via e-mail
Connections	Ethernet	1 RJ-45 10/100/1000 Base-T
	Serial Interface	RS-232/RS-485 for PTZ, Samsung system keyboard
	USB	USB 2.0, 2 ports
	eSATA	2 External SATA ports
	Application Support	Mouse, Remote controller
	Protocol Support	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO, GE PTZ control via coaxial cable [Samsung CCVC, Pelco-C (Coaxitron)]
GENERAL		
Electrical	Input Voltage / Current	100 ~ 240V AC ±10%, 50/60Hz, Autoranging
	Power Consumption	Max. 60W (With 1x HDD)
Environmental	Operating Temperature / Humidity	+0°C ~ +40°C (+32°F ~ +104°F) / 20% ~ 85% RH
Mechanical	Dimensions (WxHxD)	440.0 x 88.0 x 246.8mm (17.32" x 3.46" x 9.72")
	Weight (With hard disks)	Approx. 5.2Kg (11.46 lb)
	Rack Mount Kit	2ea
Language		Korean, Japanese, Chinese (Simplified/Traditional), English, French, German, Spanish, Italian, Russian, Polish, Czech, Turkish, Netherlands, Portuguese, Swedish, Danish, Thai, Romanian, Serbian, Croatian, Hungarian, Greek, Chinese, Finnish, Norwegian (25 Language)

SRD-870DC

8CH 4CIF Real-time H.264 Digital Video Recorder



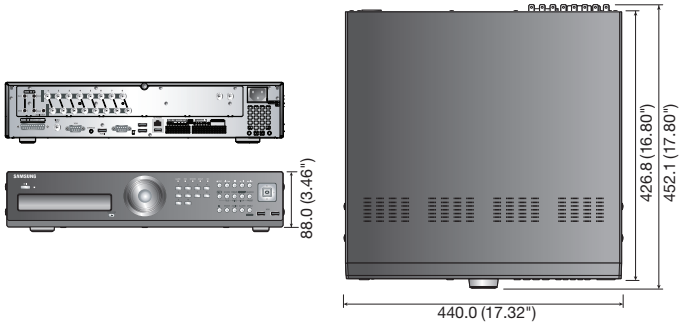
8CH | H.264 | 240fps(N) 200fps(P) | CMS | Smart Phone

Key Features

- 8CH 4CIF real-time DVR
- Up to 240(NTSC) / 200(PAL)fps recording rate
- Max. 5 internal HDD (HDD x 5)
- PTZ control via coaxial cable [Samsung CCVC, Pelco-C (Coaxitron)]
- DVD-RW, Smart phone support

Dimensions

Unit : mm (inch)



Technical Specifications

		SRD-870DC
DISPLAY		
Video	Inputs	8 Composite video 0.5-1 Vp-p, 75 ohm automatic termination
	Resolution	NTSC : 720 x 480 / PAL : 720 x 576
Live	Frame Rate	NTSC : 240fps / PAL : 200fps
	Resolution	NTSC : 720 x 480 / PAL : 720 x 576
	Multi Screen Display	1 / 4 / 6 / 8 / Sequence / PIP
PERFORMANCE		
Operating System	Embedded	Linux
Recording	Compression	H.264
	Record Rate	NTSC : Up to 240fps@704 x 480 / PAL : Up to 200fps@704 x 576 NTSC : Up to 240fps@704 x 240 / PAL : Up to 200fps@704 x 288 NTSC : Up to 240fps@352 x 240 / PAL : Up to 200fps@352 x 288
	Mode	NTSC : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (0.9 / 1.9 / 3.8 / 7.5 / 15 / 30fps) PAL : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (0.8 / 1.6 / 3.1 / 6.2 / 12.5 / 25fps)
	Event	Video loss, Motion (Level 1 ~ 10), Alarm
	Overwrite Modes	Selectable (Stop / Continuous)
	Pre-alarm	Up to 30sec (5, 10, 20, 30sec)
	Post-alarm	Up to 6hour (5,10, 20, 30sec, 1, 3, 5, 10, 20min, 1, 2, 3, 4, 5, 6hour)
Search & Playback	Search Mode	Date/Time, Event, Back up, POS (*All search include preview function)
	Playback Function	Fast forward / backward, Slow forward / backward, Step forward / backward
Network	Transmission Speed	CIF 240/200fps
	Bandwidth	Up to 8Mbps, Unlimited (8M) / 2 / 1.5 / 1Mbps / 800 / 600 / 500 / 400 / 300 / 200 / 100 / 50kbps
	Bandwidth Control	Selectable
	Stream	H.264 (4CIF / 2CIF / CIF selectable)
	Max. Remote Users	Search 1 / Live unicast 10 / Live multicast 20
	Protocol Support	TCP/IP, UDP, DHCP, PPPoE, SMTP, NTP, HTTP, DDNS, RTP, RTSP, SNMP
	Monitoring	NET-i viewer, SmartViewer, Webviewer
Smart Phone	Platform	Android, iOS
	Protocol Support	RTP, RTSP, HTTP, CGI
	Max. Remote Users	Live 1
Storage	Internal HDD	Up to 5 SATA HDDs
	External (e-SATA Interface)	Up to 2 expansion bay (*Model : SVS-5R)
	DVD Writer (Back up)	Yes
	USB (Back up)	3 USB ports
	File Format (Back up)	BU (DVR player), EXE (Include player), AVI
Security	Password Protection	1 Admin, 10 Group, 10 User per 1 group
	Data Authentication	Watermark
INTERFACE		
Monitors	VGA	1 VGA (800 x 600, 1024 x 768, 1280 x 1024)
	HDMI	1 HDMI (480p / 720p / 1080p resolution)
	Main Composite	1 BNC (1 Vp-p, 75 ohm)
	Spot Composite	Digital spot (2 BNC, 1 Vp-p, 75 ohm), support multi screen and camera title
	Loop Outputs	8
Audio	Inputs / Output	8CH line in (Built-in 4CH, option : audio extension cable) / 1CH line out
	Compression	ADPCM
	Sampling Rate	16KHz
Alarm	Inputs / Output	Terminal 8 inputs (NO/NC) / Terminal 4 relay outputs (NO), Rating : 30V DC / 2A, 125V AC / 0.5A
	Remote Notification	Notification via e-mail
Connections	Ethernet	1 RJ-45 10/100/1000 Base-T
	Serial Interface	RS-485(Half) for PTZ, System keyboard, RS-232 support for POS interface (VSI-Pro)
	USB	USB 2.0, 3 ports
	eSATA	2 External SATA ports
	Application Support	Mouse, Remote controller
	Protocol Support	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO *PTZ control via coaxial cable [Samsung CCVC, Pelco-C (Coaxitron)]
GENERAL		
Electrical	Input Voltage / Current	100 ~ 240V AC ±10%, 50/60Hz, Autoranging
	Power Consumption	Max. 60W (With 1x HDD)
Environmental	Operating Temperature / Humidity	+0°C ~ +40°C (+32°F ~ +104°F) / 20% ~ 85% RH
Mechanical	Dimensions (WxHxD)	440.0 x 88.0 x 426.8mm (17.32" x 3.46" x 16.80")
	Weight (With hard disks)	Approx. 7.5Kg (16.53 lb)
	Rack Mount Kit	2ea
Language		Korean, Japanese, Chinese, English, French, German, Spanish, Italian, Russian, Polish, Czech, Turkish, Netherlands, Portuguese, Swedish, Danish, Thai, Romanian, Serbian, Croatian, Hungary, Greek, Taiwanese (23 Language)

* The latest product information / specification can be found at www.samsungsecurity.com

SRD-850D/850DC

8CH CIF Real-time H.264 Digital Video Recorder



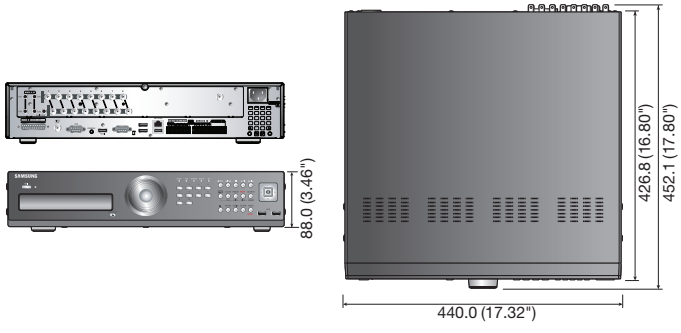


Key Features

- 8CH CIF real-time DVR
- Up to 240(NTSC) / 200(PAL)fps recording rate
- Max. 5 internal HDD (HDD x 5)
- SRD-850DC : PTZ control via coaxial cable
  [Samsung CCVC, Pelco-C (Coaxitron)]
- DVD-RW, Smart phone support

Dimensions

Unit : mm (inch)



Technical Specifications

		SRD-850D/850DC
DISPLAY		
Video	Inputs	8 Composite video 0.5-1 Vp-p, 75 ohm automatic termination
	Resolution	NTSC : 720 x 480 / PAL : 720 x 576
Live	Frame Rate	NTSC : 240fps / PAL : 200fps
	Resolution	NTSC : 720 x 480 / PAL : 720 x 576
	Multi Screen Display	1 / 4 / 6 / 8 / Sequence / PIP
PERFORMANCE		
Operating System	Embedded	Linux
Recording	Compression	H.264
	Record Rate	NTSC : Up to 60fps@704 x 480 / PAL : Up to 50fps@704 x 576 NTSC : Up to 120fps@704 x 240 / PAL : Up to 100fps@704 x 288 NTSC : Up to 240fps@352 x 240 / PAL : Up to 200fps@352 x 288
	Mode	NTSC : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (0.9 / 1.9 / 3.8 / 7.5 / 15 / 30fps) PAL : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (0.8 / 1.6 / 3.1 / 6.2 / 12.5 / 25fps)
	Event	Video loss, Motion (Level 1 ~ 10), Alarm
	Overwrite Modes	Selectable (Stop / Continuous)
	Pre-alarm	Up to 30sec (5, 10, 20, 30sec)
	Post-alarm	Up to 6hour (5,10, 20, 30sec, 1, 3, 5, 10, 20min, 1, 2, 3, 4, 5, 6hour)
Search & Playback	Search Mode	Date/Time, Event, Back up, POS (*All search include preview function)
	Playback Function	Fast forward / backward, Slow forward / backward, Step forward / backward
Network	Transmission Speed	CIF 240/200fps
	Bandwidth	Up to 8Mbps, Unlimited (8M) / 2 / 1.5 / 1Mbps / 800 / 600 / 500 / 400 / 300 / 200 / 100 / 50kbps
	Bandwidth Control	Selectable
	Stream	H.264 (4CIF / 2CIF / CIF selectable)
	Max. Remote Users	Search 3 / Live unicast 10 / Live multicast 20
	Protocol Support	TCP/IP, UDP, DHCP, PPPoE, SMTP, NTP, HTTP, DDNS, RTP, RTSP, SNMP
	Monitoring	NET-i viewer, SmartViewer, Webviewer
Smart Phone	Platform	Android, iOS
	Protocol Support	RTP, RTSP, HTTP, CGI
	Max. Remote Users	Live 1
Storage	Internal HDD	Up to 5 SATA HDDs
	External (e-SATA Interface)	Up to 2 expansion bay (*Model : SVS-5R)
	DVD Writer (Back up)	Yes
	USB (Back up)	3 USB ports
	File Format (Back up)	BU (DVR player), EXE (Include player), AVI
Security	Password Protection	1 Admin, 10 Group, 10 User per 1 group
	Data Authentication	Watermark
INTERFACE		
Monitors	VGA	1 VGA (800 x 600, 1024 x 768, 1280 x 1024)
	HDMI	1 HDMI (480p / 720p / 1080p resolution)
	Main Composite	1 BNC (1 Vp-p, 75 ohm)
	Spot Composite	Digital spot (1 BNC, 1 Vp-p, 75 ohm), support multi screen and camera title
	Loop Outputs	8
Audio	Inputs / Output	8CH line in (Built-in 4CH, option : audio extension cable) / 1CH line out
	Compression	ADPCM
	Sampling Rate	16KHz
Alarm	Inputs / Output	Terminal 8 inputs (NO/NC) / Terminal 4 relay outputs (NO), Rating : 30V DC / 2A, 125V AC / 0.5A
	Remote Notification	Notification via e-mail
Connections	Ethernet	1 RJ-45 10/100/1000 Base-T
	Serial Interface	RS-485(Half) for PTZ, System keyboard, RS-232 support for POS interface (VSI-Pro)
	USB	USB 2.0, 3 ports
	eSATA	2 External SATA ports
	Application Support	Mouse, Remote controller
	Protocol Support	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO * SRD-850DC : PTZ control via coaxial cable [Samsung CCVC, Pelco-C (Coaxitron)]
GENERAL		
Electrical	Input Voltage / Current	100 ~ 240V AC ±10%, 50/60Hz, Autoranging
	Power Consumption	Max. 60W (With 1x HDD)
Environmental	Operating Temperature / Humidity	+0°C ~ +40°C (+32°F ~ +104°F) / 20% ~ 85% RH
Mechanical	Dimensions (WxHxD)	440.0 x 88.0 x 426.8mm (17.32" x 3.46" x 16.80")
	Weight (With hard disks)	Approx. 7.5Kg (16.53 lb)
	Rack Mount Kit	2ea
Language		Korean, Japanese, Chinese, English, French, German, Spanish, Italian, Russian, Polish, Czech, Turkish, Netherlands, Portuguese, Swedish, Danish, Thai, Romanian, Serbian, Croatian, Hungary, Greek, Taiwanese (23 Language)

* The latest product information / specification can be found at www.samsungsecurity.com

SRD-852D

8CH CIF Real-time H.264 Digital Video Recorder



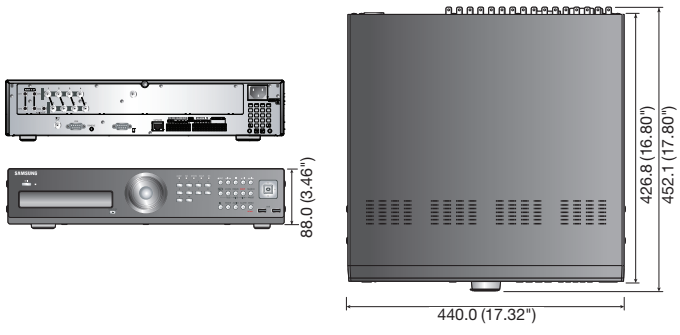
8CH | H.264 | 240fps(N) 200fps(P) | CMS | Smart Phone

Key Features

- 8CH CIF real-time DVR
- Up to 240(NTSC) / 200(PAL)fps recording rate
- Max. 4 internal HDD (HDD x 4)
- DVD-RW, Smart phone support

Dimensions

Unit : mm (inch)



Technical Specifications

		SRD-852D
DISPLAY		
Video	Inputs	8 Composite video 0.5-1 Vpp
	Resolution	NTSC : 720 x 480 / PAL : 720 x 576
Live	Frame Rate	NTSC : 240fps / PAL : 200fps
	Resolution	NTSC : 720 x 480 / PAL : 720 x 576
	Multi Screen Display	1 / 4 / 6 / 8 / 9 / 13 / PIP
PERFORMANCE		
Operating System	Embedded	Linux
Recording	Compression	H.264
	Record Rate	NTSC : Up to 60fps@704 x 480 / PAL : Up to 50fps@704 x 576 NTSC : Up to 120fps@704 x 240 / PAL : Up to 100fps@704 x 288 NTSC : Up to 240fps@352 x 240 / PAL : Up to 200fps@352 x 288
	Mode	NTSC : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (0.9 / 1.9 / 3.8 / 7.5 / 15 / 30fps) PAL : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (0.8 / 1.6 / 3.1 / 6.2 / 12.5 / 25fps)
	Event	Video loss, Motion (Level 1 ~ 10), Alarm
	Overwrite Modes	Continuous
	Pre-alarm	Up to 5sec
	Post-alarm	Up to 6hour (5,10, 20, 30sec, 1, 3, 5, 10, 20min, 1, 2, 3, 4, 5, 6hour)
Search & Playback	Search Mode	Date/Time, Event, Back up, POS, Motion (*All search mode include preview function)
	Playback Function	Fast forward / backward, Slow forward / backward, Step forward / backward
Network	Transmission Speed	CIF 120/100fps
	Bandwidth	Up to 8Mbps, Unlimited (8M) / 2 / 1.5 / 1Mbps / 800 / 600 / 500 / 400 / 300 / 200 / 100 / 50kbps
	Bandwidth Control	Selectable
	Stream	H.264 (Max. CIF 120)
	Max. Remote Users	Search 3 / Live unicast 10 / Live multicast 20
	Protocol Support	TCP/IP, UDP, DHCP, PPPoE, SMTP, NTP, HTTP, DDNS, RTP, RTSP, SNMP
	Monitoring	NET-i viewer, SmartViewer, Webviewer
Smart Phone	Platform	Android, iOS
	Protocol Support	RTP, RTSP, HTTP, CGI
	Max. Remote Users	Live 1
Storage	Internal HDD	Up to 4 SATA HDDs
	DVD Writer (Back up)	Yes
	USB (Back up)	2 USB ports
	File Format (Back up)	BU (DVR player), EXE (Include player), AVI
Security	Password Protection	1 Admin, 10 Group, 10 User per 1 group
	Data Authentication	Watermark
INTERFACE		
Monitors	VGA	1 VGA (800 x 600, 1024 x 768, 1280 x 1024)
	Main Composite	1 BNC (1 Vp-p, 75 ohm)
	Spot Composite	Analogue spot (1 BNC, 1 Vp-p, 75 ohm)
Audio	Inputs / Output	4 Line in (Built-in 4CH, RCA / 1CH line out (RCA)
	Compression	ADPCM
	Sampling Rate	16KHz
Alarm	Inputs / Output	Terminal 8 inputs (NO/NC), Terminal 1 inputs (Alarm Reset), Terminal 4 relay outputs (NO), Rating : 24V DC / 1A, 125V AC / 0.5A
	Remote Notification	Notification via e-mail
Connections	Ethernet	1 RJ-45 10/100 Base-T
	Serial Interface	RS-232/RS-485 for PTZ, Samsung system keyboard
	USB	USB 2.0, 2 ports (Front)
	Application Support	Mouse, Remote controller
	Protocol Support	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO
GENERAL		
Electrical	Input Voltage / Current	100 ~ 240V AC ±10%, 50/60Hz, Autoranging
	Power Consumption	Max. 60W (With 1x HDD)
Environmental	Operating Temperature / Humidity	+0°C ~ +40°C (+32°F ~ +104°F) / 20% ~ 85% RH
Mechanical	Dimensions (WxHxD)	440.0 x 88.0 x 426.8mm (17.32" x 3.46" x 16.80")
	Weight (With hard disks)	Approx. 7.5Kg (16.53 lb)
	Rack Mount Kit	2ea
Language		Korean, Japanese, Chinese, English, French, German, Spanish, Italian, Russian, Polish, Czech, Turkish, Netherlands, Portuguese, Swedish, Danish, Thai, Romanian, Serbian, Croatian, Hungary, Greek, Taiwanese (23 Language)

* The latest product information / specification can be found at www.samsungsecurity.com

SRD-840

8CH CIF Real-time H.264 Digital Video Recorder



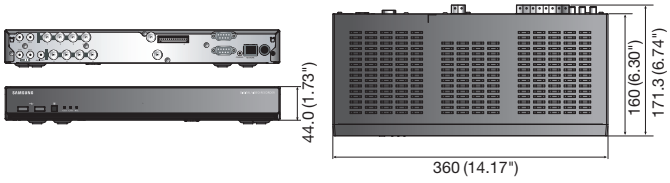


Key Features

- 8CH CIF real-time DVR
- Up to 240(NTSC) / 200(PAL)fps recording rate
- Max. 1 internal HDD
- Smart phone support
- Compact product footprint

Dimensions

Unit : mm (inch)



Technical Specifications

		SRD-840
DISPLAY		
Video	Inputs	8 Composite video 0.5-1 Vp-p, 75 ohm
	Resolution	NTSC : 720 x 480 / PAL : 720 x 576
Live	Frame Rate	NTSC : 480fps / PAL : 400fps
	Resolution	NTSC : 720 x 480 / PAL : 720 x 576
	Multi Screen Display	1 / 4 / 6 / 8 / Sequence / PIP
PERFORMANCE		
Operating System	Embedded	Linux
Recording	Compression	H.264
	Record Rate	NTSC : Up to 60fps@704 x 480 / PAL : Up to 50fps@704 x 576 NTSC : Up to 120fps@704 x 240 / PAL : Up to 100fps@704 x 288 NTSC : Up to 240fps@352 x 240 / PAL : Up to 200fps@352 x 288
	Mode	NTSC / PAL : Manual, Schedule (Continuous / Event), Event (Pre / Post)
	Event	Video loss, Motion (Level 1 ~ 10), Alarm
	Overwrite Modes	Continuous, Selectable (Stop / Continuous)
	Pre-alarm	Up to 5sec
	Post-alarm	Up to 6hour (5,10, 20, 30sec, 1, 3, 5, 10, 20min, 1, 2, 3, 4, 5, 6hour)
Search & Playback	Search Mode	Date/Time, Event, Back up, POS, Motion (*All search include preview function)
	Playback Function	Fast forward / backward (2x, 4x, 8x, 16x, 32x, 64x) *Backward play with I-frame only Slow forward / backward (1/2x, 1/4x, 1/8x)
Network	Transmission Speed	CIF 120/100fps
	Bandwidth	Up to 4Mbps, Unlimited (4M) / 2 / 1.5 / 1Mbps / 800 / 600 / 500 / 400 / 300 / 200 / 100 / 50kbps
	Bandwidth Control	Automatic
	Stream	H.264 (CIF)
	Max. Remote Users	Search 2 / Live unicast 4 / Live multicast 4
	Protocol Support	TCP/IP, UDP, DHCP, PPPoE, SMTP, NTP, HTTP, DDNS, RTP, RTSP, SNMP
	Monitoring	NET-i viewer, SmartViewer, Webviewer
Smart Phone	Platform	Android, iOS
	Protocol Support	RTP, RTSP, HTTP, CGI
	Max. Remote Users	Live 1
Storage	Internal HDD	Up to 1 SATA HDD
	USB (Back up)	2 USB ports
	File Format (Back up)	BU (DVR player), EXE (Include player)
Security	Password Protection	1 Admin, 10 Group, 10 User per 1group
	Data Authentication	Watermark
INTERFACE		
Monitors	VGA	1 VGA (1024 x 768) *Main composite or VGA selected in booting
	Main Composite	1 BNC (1 Vp-p, 75 ohm) *Main composite or VGA selected in booting
	Spot Composite	Analog spot (1 BNC, 1 Vp-p, 75 ohm)
Audio	Inputs / Output	4CH line in / 1CH line out
	Compression	G.711
	Sampling Rate	8KHz
Alarm	Inputs / Output	Terminal 8 inputs (NO/NC) / Terminal 2 relay outputs (NO), Rating : 24V DC / 2A, 125V AC / 0.5A
	Remote Notification	Notification via e-mail
Connections	Ethernet	1 RJ-45 10/100 Base-T
	Serial Interface	RS-485(Half) for PTZ, System keyboard, RS-232 support for POS interface (VSI-Pro)
	USB	USB 2.0, 2 ports (Front)
	Application Support	Mouse, Remote controller
	Protocol Support	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO
GENERAL		
Electrical	Input Voltage / Current	12V DC adaptor, 4A, 100 ~ 250V AC, 50/60Hz, 36watt
	Power Consumption	Max. 19W (With 1x HDD)
Environmental	Operating Temperature / Humidity	+0°C ~ +40°C (+32°F ~ +104°F) / 20% ~ 85% RH
Mechanical	Dimensions (WxHxD)	360.0 x 44.0 x 160.0mm (14.17" x 1.73" x 6.30")
	Weight (With hard disks)	Approx. 1.7Kg (3.75 lb)
Language		Korean, Japanese, Chinese, English, French, German, Spanish, Italian, Russian, Polish, Czech, Turkish, Netherlands, Portuguese, Swedish, Danish, Thai, Romanian, Serbian, Croatian, Hungary, Greek (22 Language)

* The latest product information / specification can be found at www.samsungsecurity.com

SRD-470D

4CH 4CIF Real-time H.264 Digital Video Recorder



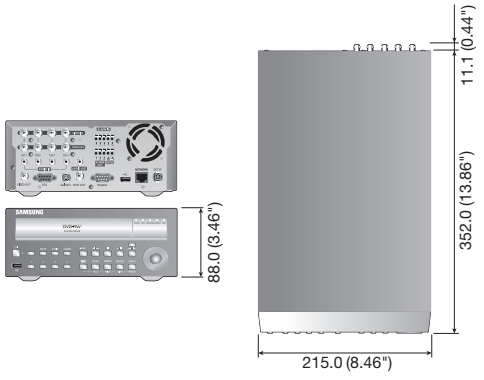


Key Features

- 4CH 4CIF real-time DVR
- 4CIF resolution real-time recording capability
- SATA I/F HDD support (Internal Max. HDD x 1)
- DVD-RW, Smart phone support

Dimensions

Unit : mm (inch)



Technical Specifications

		SRD-470D
DISPLAY		
Video	Inputs	4 Composite video 0.5-1 Vpp, 75 ohm automatic termination
	Resolution	NTSC : 720 x 480 / PAL : 720 x 576
Live	Frame Rate	NTSC : 120fps / PAL : 100fps
	Resolution	NTSC : 720 x 480 / PAL : 720 x 576
	Multi Screen Display	1 / 4 / Sequence / PIP
PERFORMANCE		
Operating System	Embedded	Linux
Recording	Compression	H.264
	Record Rate	NTSC : Up to 120fps@704 x 480 / PAL : Up to 100fps@704 x 576 NTSC : Up to 120fps@704 x 240 / PAL : Up to 100fps@704 x 288 NTSC : Up to 120fps@352 x 240 / PAL : Up to 100fps@352 x 288
	Mode	NTSC : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (0.9 / 1.9 / 3.8 / 7.5 / 15 / 30fps) PAL : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (0.8 / 1.6 / 3.1 / 6.2 / 12.5 / 25fps)
	Event	Video loss, Motion (Level 1 ~ 10), Alarm
	Overwrite Modes	Selectable (Stop / Continuous)
	Pre-alarm	Up to 30sec (5, 10, 20, 30sec)
	Post-alarm	Up to 6hour (5,10, 20, 30sec, 1, 3, 5, 10, 20min, 1, 2, 3, 4, 5, 6hour)
Search & Playback	Search Mode	Date/Time, Event, Back up, POS (*All search include preview function)
	Playback Function	Fast forward / backward, Slow forward / backward, Step forward / backward
Network	Transmission Speed	CIF 120/100fps
	Bandwidth	Up to 6Mbps, Unlimited (6M) / 2 / 1.5 / 1Mbps / 800 / 600 / 500 / 400 / 300 / 200 / 100 / 50kbps
	Bandwidth Control	Selectable
	Stream	H.264 (4CIF / 2CIF / CIF selectable)
	Max. Remote Users	Search 3 / Live unicast 10 / Live multicast 20
	Protocol Support	TCP/IP, UDP, DHCP, PPPoE, SMTP, NTP, HTTP, DDNS, RTP, RTSP
	Monitoring	NET-i viewer, SmartViewer, Webviewer
Smart Phone	Platform	Android, iOS
	Protocol Support	RTP, RTSP, HTTP, CGI
	Max. Remote Users	Live 1
Storage	Internal HDD	Up to 1 SATA HDDs
	DVD Writer (Back up)	Yes
	USB (Back up)	2 USB ports
	File Format (Back up)	BU (DVR player), EXE (Include player), AVI
Security	Password Protection	1 Admin, 10 Group, 10 User per 1 group
	Data Authentication	Watermark
INTERFACE		
Monitors	VGA	1 VGA (800 x 600, 1024 x 768, 1280 x 1024)
	Main Composite	1 BNC (1 Vp-p, 75 ohm)
	Spot Composite	1CH (Analog)
	Loop Outputs	4
Audio	Inputs / Output	4CH line in / 1CH line out
	Compression	ADPCM
	Sampling Rate	16KHz
Alarm	Inputs / Output	Terminal 4 inputs (NO/NC) / Terminal 2 relay outputs (NO), Rating : 30V DC / 2A, 125V AC / 0.5A
	Remote Notification	Notification via e-mail
Connections	Ethernet	1 RJ-45 10/100/1000 Base-T
	Serial Interface	RS-485(Half) for PTZ, System keyboard, RS-232 support for POS interface (VSI-Pro)
	USB	USB 2.0, 2 ports
	Application Support	Mouse, Remote controller
	Protocol Support	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO
GENERAL		
Electrical	Input Voltage / Current	12V DC adaptor, 4A, 100 ~ 250V AC, 50/60Hz, 48watt
	Power Consumption	Max. 25W (With 1x HDD)
Environmental	Operating Temperature / Humidity	+0°C ~ +40°C (+32°F ~ +104°F) / 20% ~ 85% RH
Mechanical	Dimensions (WxHxD)	215.0 x 88.0 x 352.0mm (8.46" x 3.46" x 13.86")
	Weight (With hard disks)	Approx. 3.7Kg (8.16 lb)
Language		Korean, Japanese, Chinese, English, French, German, Spanish, Italian, Russian, Polish, Czech, Turkish, Netherlands, Portuguese, Swedish, Danish, Thai, Romanian, Serbian, Croatian, Hungary, Greek, Taiwanese (23 Language)

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SRD-442

4CH CIF H.264 LCD Digital Video Recorder



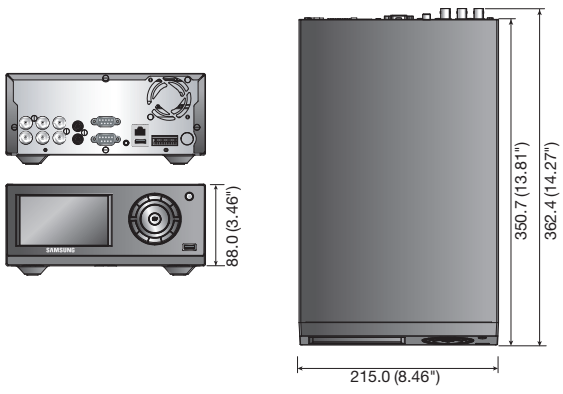


Key Features

- 4CH CIF real-time DVR
- CIF resolution real-time recording capability (4CIF recording available)
- SATA I/F HDD support (Internal Max. HDD x 2)
- Built-in 4.3" touch LCD monitor (preview)
- Smart phone support

Dimensions

Unit : mm (inch)



Technical Specifications

		SRD-442
DISPLAY		
Video	Inputs	4 Composite video 0.5-1 Vpp, 75 ohm
	Resolution	NTSC : 720 x 480 / PAL : 720 x 576
Live	Frame Rate	NTSC : 120fps / PAL : 100fps
	Resolution	NTSC : 720 x 480 / PAL : 720 x 576
	Multi Screen Display	1 / 4 / SEQUENCE / PIP
Display	LCD	4.3" built-in touch LCD
PERFORMANCE		
Operating System	Embedded	Linux
Recording	Compression	H.264
	Record Rate	NTSC : Up to 30fps@704 x 480 / PAL : Up to 25fps@704 x 576 NTSC : Up to 60fps@704 x 240 / PAL : Up to 50fps@704 x 288 NTSC : Up to 120fps@352 x 240 / PAL : Up to 100fps@352 x 288
	Mode	Manual, Schedule (Continuous / Event), Event (Pre / Post)
	Overwrite Modes	Selectable (Stop / Continuous)
	Pre-alarm	Up to 5sec (1, 2, 3, 4, 5sec)
	Post-alarm	Up to 6 hour (5,10, 20, 30sec,1, 3, 5, 10, 20min, 1, 2, 3, 4, 5, 6hour)
Search & Playback	Search Mode	Date/Time, Event, Back up, POS (* All search included prview function)
	Playback Function	Fast forward / backward (2x, 4x, 8x, 16x, 32x, 64x) *Backward play with I-frame only Slow forward / backward (1/2x, 1/4x, 1/8x) Step forward / backward (2x, 4x, 8x, 16x, 32x, 64x) *Backward play with I-frame only
Network (IPv4)	Transmission Speed	CIF 120/100fps
	Bandwidth	Up to 4Mbps, Unlimited (4M) / 2 / 1.5 / 1Mbps / 800 / 600 / 500 / 400 / 300 / 200 / 100 / 50kbps
	Bandwidth Control	Automatic
	Stream	H.264 (CIF)
	Max. Remote Users	Search 2 / Live unicast 4 / Live multicast 20
	Protocol Support	TCP/IP, UDP, DHCP, PPPoE, SMTP, NTP, HTTP, DDNS, RTP, RTSP
	Monitoring	NET-i viewer, SmartViewer, Webviewer
Smart Phone	Platform	Android, iOS
	Protocol Support	RTP, RTSP, HTTP, CGI
	Max. Remote Users	Live 1
Storage	Internal HDD	Up to 2 SATA HDDs
	USB (Back up)	2 USB ports
	File Format (Back up)	BU (DVR player), EXE (Include player)
Security	Password Protection	1 Admin, 10 Group, 10 User per 1 group
	Data Authentication	Watermark
INTERFACE		
Monitors	VGA	1 VGA (1024 x 768) *Main composite or VGA selected in booting
	LCD	LCD spot output at VGA mode (Not support touch), Composite mode (Support touch)
	Main Composite	1 BNC (1 Vp-p, 75 ohm)
	Spot Composite	Analg spot (1 BNC, 1 Vp-p, 75 ohm)
Audio	Inputs / Output	1CH line in / 1CH line out
	Compression	G.711
	Sampling Rate	8KHz
Alarm	Inputs / Output	Terminal 4 inputs (NO/NC) / Terminal 1 relay outputs (NO), Rating : 24V DC / 1A, 125V AC / 0.5A
	Remote Notification	Notification via e-mail
Connections	Ethernet	1 RJ-45 10/100 Base-T
	Serial Interface	RS-485 (Half) for PTZ, System keyboard *Support for POS interface (VSI-Pro)
	USB	USB 2.0, 2 ports (Front / Rear)
	Application Support	Mouse, Remote controller
	Protocol Support	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO
GENERAL		
Electrical	Input Voltage / Current	12V DC adaptor, 4A,100 ~ 250V AC, 50/60Hz, Max. 48watt
	Power Consumption	Max. 12W (with 1x HDD)
Environmental	Operating Temperature / Humidity	+0°C ~ +40°C (+32°F ~ +104°F) / 20% ~ 85% RH
Mechanical	Dimensions (WxHxD)	215.0 x 88.0 x 350.7mm (8.46" x 3.46" x 13.81")
	Weight (With hard disks)	Approx. 3Kg (6.61 lb)
Language		Korean, Japanese, Chinese, English, French, German, Spanish, Italian, Russian, Polish, Czech, Turkish, Netherlands, Portuguese, Swedish, Danish, Thai, Romanian, Serbian, Croatian, Hungary, Greek, Taiwanese (23 Language)

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SRD-440

4CH CIF Real-time H.264 Digital Video Recorder



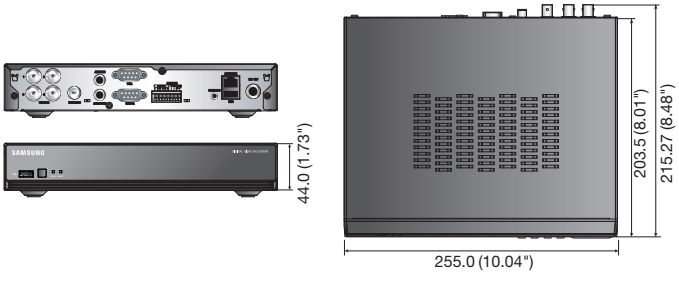


Key Features

- 4CH CIF real-time DVR
- CIF resolution real-time recording capability (4CIF recording available)
- SATA I/F HDD support (Internal Max. HDD x 1)
- Smart phone support

Dimensions

Unit : mm (inch)



Technical Specifications

		SRD-440
DISPLAY		
Video	Inputs	4 Composite video 0.5-1 Vpp, 75 ohm
	Resolution	NTSC : 720 x 480 / PAL : 720 x 576
Live	Frame Rate	NTSC : 120fps / PAL : 100fps
	Resolution	NTSC : 720 x 480 / PAL : 720 x 576
	Multi Screen Display	1 / 4 / SEQUENCE / PIP
PERFORMANCE		
Operating System	Embedded	Linux
Recording	Compression	H.264
	Record Rate	NTSC : Up to 30fps@704 x 480 / PAL : Up to 25fps@704 x 576 NTSC : Up to 60fps@704 x 240 / PAL : Up to 50fps@704 x 288 NTSC : Up to 120fps@352 x 240 / PAL : Up to 100fps@352 x 288
	Mode	Manual, Schedule (Continuous / Event), Event (Pre / Post)
	Overwrite Modes	Selectable (Stop / Continuous)
	Pre-alarm	Up to 5sec (1, 2, 3, 4, 5sec)
	Post-alarm	Up to 6 hour (5,10, 20, 30sec,1, 3, 5, 10, 20min, 1, 2, 3, 4, 5, 6hour)
Search & Playback	Search Mode	Date/Time, Event, Back up, POS (*All search included prview function)
	Playback Function	Fast forward / backward (2x, 4x, 8x, 16x, 32x, 64x) *Backward play with I-frame only Slow forward / backward (1/2x, 1/4x, 1/8x) Step forward / backward (2x, 4x, 8x, 16x, 32x, 64x) *Backward play with I-frame only
Network (IPv4)	Transmission Speed	CIF 120/100fps
	Bandwidth	Up to 4Mbps, Unlimited (4M) / 2 / 1.5 / 1Mbps / 800 / 600 / 500 / 400 / 300 / 200 / 100 / 50kbps
	Bandwidth Control	Automatic
	Stream	H.264 (CIF)
	Max. Remote Users	Search 2 / Live unicast 4 / Live multicast 20
	Protocol Support	TCP/IP, UDP, DHCP, PPPoE, SMTP, NTP, HTTP, DDNS, RTP, RTSP
	Monitoring	NET-i viewer, SmartViewer, Webviewer
Smart Phone	Platform	Android, iOS
	Protocol Support	RTP, RTSP, HTTP, CGI
	Max. Remote Users	Live 1
Storage	Internal HDD	Up to 1 SATA HDD
	USB (Back up)	2 USB ports
	File Format (Back up)	BU (DVR player), EXE (Include player)
Security	Password Protection	1 Admin, 10 Group, 10 User per 1 group
	Data Authentication	Watermark
INTERFACE		
Monitors	VGA	1 VGA (1024 x 768) *Main composite or VGA selected in booting
	Main Composite	1 BNC (1 Vp-p, 75 ohm) *Main composite or VGA selected in booting
	Spot Composite	Analg spot (1 BNC, 1 Vp-p, 75 ohm)
Audio	Inputs / Output	1CH line in / 1CH line out
	Compression	G.711
	Sampling Rate	8KHz
Alarm	Inputs / Output	Terminal 4 inputs (NO/NC) / Terminal 1 relay outputs (NO), Rating : 24V DC / 1A, 125V AC / 0.5A
	Remote Notification	Notification via e-mail
Connections	Ethernet	1 RJ-45 10/100 Base-T
	Serial Interface	RS-485 (Half) for PTZ, System keyboard *Support for POS interface (VSI-Pro)
	USB	USB 2.0, 2 ports (Front / Rear)
	Application Support	Mouse, Remote controller
	Protocol Support	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO
GENERAL		
Electrical	Input Voltage / Current	12V DC adaptor, 4A,100 ~ 250V AC, 50/60Hz, Max. 48watt
	Power Consumption	Max. 10W (with 1x HDD)
Environmental	Operating Temperature / Humidity	+0°C ~ +40°C (+32°F ~ +104°F) / 20% ~ 85% RH
Mechanical	Dimensions (WxHxD)	255.0 x 44.0 x 203.5mm (10.04" x 1.73" x 8.01")
	Weight (With hard disks)	Approx. 1.6Kg (3.53 lb)
Language		Korean, Japanese, Chinese, English, French, German, Spanish, Italian, Russian, Polish, Czech, Turkish, Netherlands, Portuguese, Swedish, Danish, Thai, Romanian, Serbian, Croatian, Hungary, Greek, Taiwanese (23 Language)

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SAMSUNG TECHWIN

SRD-480D

4CH HD CCTV H.264 Digital Video Recorder



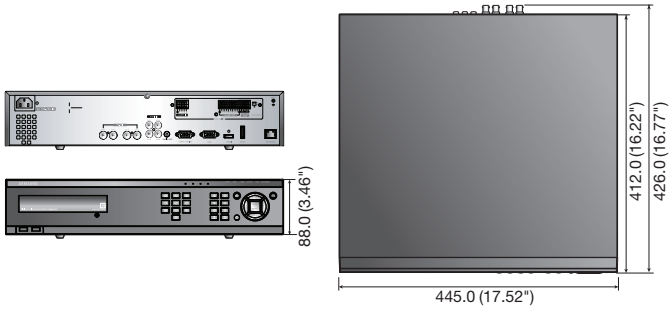
4CH | H.264 | 120fps(N) 100fps(P) | CMS

Key Features

- 4CH Full HD real-time DVR
- Full HD (1920 x 1080p) resolution real-time recording capability
- SATA I/F HDD support (Internal Max. HDD x 4)
- DVD-R, CD-R

Dimensions

Unit : mm (inch)



Technical Specifications

		SRD-480D
DISPLAY		
Video	Inputs	4CH (HD-SDI SMPTE292M)
	Resolution	720p 30fps / 720p 60fps / 1080p 30fps
Live	Frame Rate	120fps
	Resolution	1920 x 1080p
	Multi Screen Display	1 / 4 / SEQUENCE
PERFORMANCE		
Operating System	Embedded	Linux
Recording	Compression	H.264
	Record Rate	Up to 120fps@1280 x 720p / Up to 60fps@1920 x 1080p
	Mode	Manual, Event or Schedule, Event, Event source (Motion / Alarm / Video Loss / Text), Pre/Post
	Overwrite Modes	Selectable (Stop / Continuous)
	Pre-alarm	Up to 15sec (1, 2, 3, 4, 5, 10, 15sec)
	Post-alarm	Up to 60sec (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60sec)
Search & Playback	Search Mode	Date/Time, Calendar, Event search, Thumbnail search
	Playback Function	Forward (2x, 4x, 8x, 16x, 32x, 64x) *I-frame only Forward (1x, 1/2x) *All frame Backward (1/2x, 1x, 2x, 4x, 8x, 16x, 32x, 64x) *I-frame only Step Forwad/Backward play at single channel (I+P frame) *All frame
Network	Transmission Speed	Dual codec (CIF120fps / 2CIF120fps / 4CIF120fps) Single codec (720p, 1080p)
	Bandwidth	Up to (15)Mbps,15M ~ 256kbps
	Bandwidth Control	Selectable
	Stream	720p, 1080p (Record encoding), 4CIF / 2CIF / CIF(Dual codec) selectable
	Max. Remote Users	Search 2 / Live unicast 10 / Live multicast 20
	Protocol Support	TCP/IP, DHCP, HTTP, PPPoE, DDNS (iPOLIS only), NTP, SMTP, TLS
	Monitoring	NET-i viewer, SmartViewer, Webviewer
Storage	Internal HDD	Up to 4 SATA HDDs
	External HDD Writer	Up to 1 expansion bay (*Model : SVS-5R)
	DVD Writer (Back up)	Yes (DVD-R, CD-R support)
	USB (Back up)	2 USB ports (Max. 32GB)
	File Format (Back up)	AVI, EXE (Include player), VFS4 (CD/DVD back up)
Security	Password Protection	1 Admin, 10 User, User can be assigned authority for function
	Data Authentication	Watermark
INTERFACE		
Monitors	VGA	1 VGA (1920 x 1080p)
	HDMI	1HDMI (1920 x 1080p)
Audio	Inputs / Output	4CH line in / 1CH line out
	Compression	ADPCM
	Sampling Rate	16KHz
Alarm	Inputs / Output	Terminal 4 inputs (NO/NC) / Terminal 4 relay outputs (NO/NC)
	Remote Notification	Notification via e-mail
Connections	Ethernet	10/100Mbps ethernet
	Serial Interface	RS-485 for PTZ, Samsung system keyboard
	USB	USB 2.0, 2 ports
	eSATA	1 External SATA ports
	Application Support	Mouse, Remote controller, Samsung system keyboard
	Protocol Support	Samsung-T/E, Pelco-D/P
GENERAL		
Electrical	Input Voltage / Current	100 ~ 240V AC ±10%, 50/60Hz, Autoranging
	Power Consumption	Max. 85W (With 1x HDD)
Environmental	Operating Temperature / Humidity	+0°C ~ +40°C (+32°F ~ +104°F) / 20% ~ 85% RH
Mechanical	Dimensions (WxHxD)	445.0 x 88.0 x 412.0mm (17.52" x 3.46" x 16.22")
	Weight (With hard disks)	Approx. 7.3Kg (16.09 lb)
	Rack Mount Kit	2ea
Language		Korean, Japanese, Chinese, English, French, German, Spanish, Italian, Russian, Polish, Czech, Turkish, Netherlands, Portuguese, Swedish, Danish, Thai, Romanian, Serbian, Croatian, Hungary, Greek (22 Language)

* The latest product information / specification can be found at www.samsungsecurity.com

SVS-5R/5E

RAID 5 Unit / HDD Extension Unit



Key Features

SVS-5R

- 1U 19-inch rack case
- Data transmission speed : up to 3.0Gbps (SATA II)
- Available SATA HDD : up to 4 (4TB)

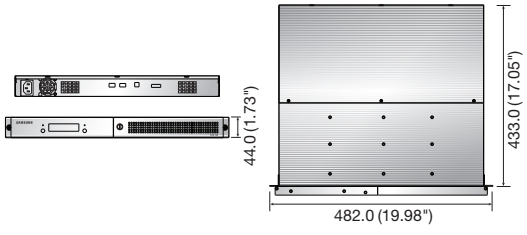
SVS-5E

- 1U 19-inch rack case
- Data transmission speed : up to 3.0Gbps (SATA II)
- Available SATA HDD : up to 4 (4TB)

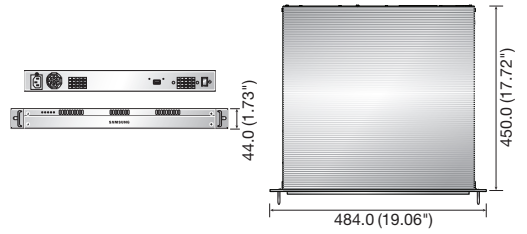
Dimensions

Unit : mm (inch)

SVS-5R



SVS-5E



Technical Specifications

	SVS-5R	SVS-5E
Transmission Speed	Up to 3.0Gbps (SATA II)	
Maximum Capacity	Up to 4TB	
Internal HDD	Up to 4 SATA HDDs (Support hot-swap function)	Up to 4 SATA HDDs
RAID	RAID 0, 1, 0+1, 5	N/A
eSATA	1 External SATA ports for DVR connection	
USB	USB 2.0, RAID configuration only	N/A
Operating Temperature	+5°C ~ +45°C (+41°F ~ +113°F)	
Operating Humidity	20% ~ 70% RH	
Input Voltage	115 ~ 230V AC ±10%, 50/60Hz, Autoranging	
Dimensions (WxHxD)	482.0 x 44.0 x 433.0mm (19.98" x 1.73" x 17.05")	484.0 x 44.0 x 450.0mm (19.06" x 1.73" x 17.72")
Weight	Approx. 6.4Kg (14.1 lb)	Approx. 5.6Kg (12.3 lb)
Rack Mount Kit	For mounting one unit in an EIA 19-inch rack	
Certifications	FCC (Class A), UL/cUL listed, CE (Class A)	

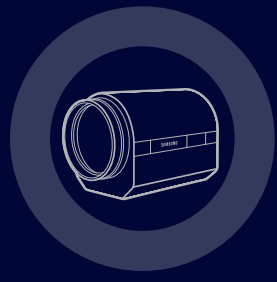
* The latest product information / specification can be found at www.samsungsecurity.com

Supported Models

SVS-5R

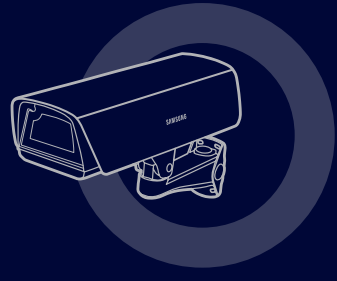
- SVR-3200/1680/1645/960/945
- SRD-1670/1670D(C)/1650/1650D(C)/870/870D(C)/850/850D(C)

SAMSUNG TOTAL SECURITY SOLUTIONS



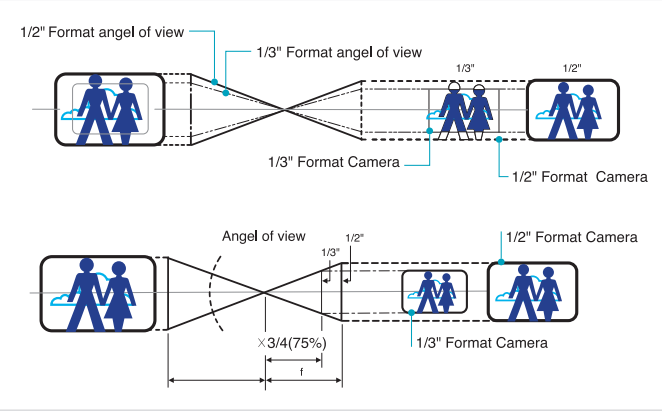


LENS PERIPHERAL

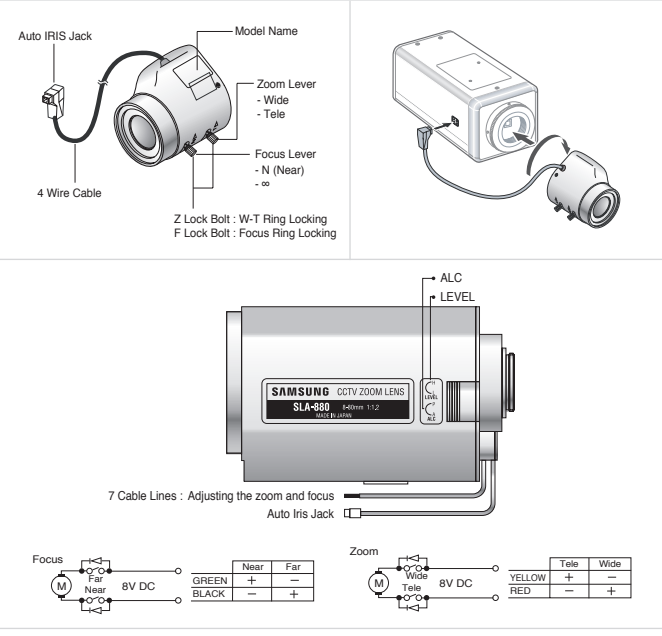


Lens Terms & Features

Lens Angle of View



Lens Parts & Names



Focal Length

The focal length is the distance in millimeters, between its secondary principal point (the rear glass on the lens) and its focal point; the higher the number the greater the magnification and the smaller the angle of view.

Varifocal Lens

A Varifocal Lens is a lens where the focal length can be varied to give the exact image required. It is similar to a manual zoom lens, except that a varifocal lens focus cannot be zoom tracked.

Zoom Lens

A lens type that is capable of enlarging or reducing the image size, on a continuously basis, by varying len's focal length.

C/CS-Mount

The two industry standards for mounting a lens on a camera. The C-mount lens has a 17.5mm flange back distance. The CS-mount lens has a 12.5mm flange back distance.

Manual Iris / Auto Iris

Iris is the adjustable opening (Mechanical diaphragm) through which light can pass and be regulated.

Manual iris

A lens with a manual adjustment to set the iris opening (F stop) in a fixed position. Generally used for fixed lighting applications.

Auto iris

A lens in which the aperture automatically opens or closes to maintain proper light levels on the camera's pickup device.

Field of View at a Glance

Field of view formula

CCD	1/4"	1/3"	1/2"
Width	(3.6 x L) / f	(4.8 x L) / f	(6.4 x L) / f
Height	(2.7 x L) / f	(3.6 x L) / f	(4.8 x L) / f

W (m) : Width of scene
H (m) : Height of scene
f (mm) : Lens focal length
L (m) : Distance between lens and subject

Lens Selection

Lens Description	Model	Image	Mount	Image Format	Resolution	Focal Length	Back Focal Length	Zoom Ratio	F. No	Minimum Angle of View	Operation			Dimensions (WxHxD)mm / inch	Weight (g / lb)
											Iris	Focus	Zoom		
Zoom Lens	SLA-12240		C	1/2"	1.3Megapixel	12 ~ 240mm 0.47" ~ 9.45"	19.82mm 0.78"	20	1.6	38.9° ~ 1.9°	Auto	Motorized	Motorized	116.0 x 135.0 x 223.5mm 4.57" x 5.31" x 8.8"	2.6Kg 5.73 lb
	SLA-880					8 ~ 80mm 0.31" ~ 3.15"	15.3mm 0.6"	10	1.2	54.3° ~ 5.8°				70.0 x 81.0 x 123.5mm 2.76" x 3.19" x 4.86"	670g 1.48 lb
Varifocal Lens	SLA-3580DN		CS	1/3"	520K pixel	3.5 ~ 8mm 0.14" ~ 0.31"	8.7 ~ 14.7mm 0.34" ~ 0.58"	2.3	1.0	111.2° ~ 44.7°	DC	Manual	Manual	38.6 x 45.3 x 46.0mm 1.52" x 1.78" x 4.86"	54.5g 0.12 lb
	SLA-2812DN					2.8 ~ 12mm 0.11" ~ 0.47"	20.2 ~ 8.1mm 0.8" ~ 0.32"	4.2	1.3	133.0° ~ 29.7°				43.0 x 48.0 x 56.0mm (1.69" x 1.89" x 2.2")	71g 0.16 lb
	SLA-550DV					5 ~ 50mm 0.2" ~ 1.97"	10.5 ~ 10.6mm 0.41" ~ 0.42"	10	1.3	64.0° ~ 6.9°				47.0 x 57.5 x 57.7mm (1.85" x 2.26" x 2.27")	100g 0.22 lb
	SLA-612DN			1/2"		6 ~ 12mm 0.24" ~ 0.47"	7.55 ~ 12.13mm 0.3" ~ 0.48"	2	1.6	81.4° ~ 38.8°				40.4 x 45.7 x 43.5mm 1.6" x 1.8" x 1.71"	53g 0.12 lb
	SLA-M2882			1/3"	1.3Megapixel	2.8 ~ 8.2mm 0.11" ~ 0.32"	7.97 ~ 14.12mm 0.31" ~ 0.56"	2.9	1.4	116.5° ~ 42.4°				43.8 x 48.1 x 52.0mm 1.72" x 1.89" x 2.05"	100g 0.22 lb
	SLA-M3180DN			1/2.8"	3Megapixel	3.1 ~ 8mm 0.12" ~ 0.31"	7.8mm 0.31"	2.6	1.2	123.1° ~ 48.3°				43.8 x 48.2 x 55.0mm 1.72" x 1.90" x 2.17"	59g 0.13 lb

Field of View (1/3" TYPE CCD)

D(m) \ F(mm)	3.6	6	12	16	25	50	75	180
1	1.33 x 1.00	0.80 x 0.60	0.40 x 0.30	0.30 x 0.23	0.19 x 0.14	0.10 x 0.07	0.06 x 0.05	0.03 x 0.02
1.5	2.00 x 1.50	1.20 x 0.90	0.60 x 0.45	0.45 x 0.34	0.29 x 0.22	0.14 x 0.11	0.10 x 0.07	0.04 x 0.03
2	2.67 x 2.00	1.60 x 1.20	0.80 x 0.60	0.60 x 0.45	0.38 x 0.29	0.19 x 0.14	0.13 x 0.10	0.05 x 0.04
2.5	3.33 x 2.50	2.00 x 1.50	1.00 x 0.75	0.75 x 0.56	0.48 x 0.36	0.24 x 0.18	0.16 x 0.12	0.07 x 0.05
3	4.00 x 3.00	2.40 x 1.80	1.20 x 1.90	0.90 x 0.68	0.58 x 0.43	0.29 x 0.22	0.19 x 0.14	0.08 x 0.06
3.5	4.67 x 3.50	2.80 x 2.10	1.40 x 1.05	1.05 x 0.79	0.67 x 0.50	0.34 x 0.25	0.22 x 0.17	0.09 x 0.07
4	5.33 x 4.00	3.20 x 2.40	1.60 x 1.20	1.20 x 0.90	0.77 x 0.58	0.38 x 0.29	0.26 x 0.19	0.11 x 0.08
4.5	6.00 x 4.50	3.60 x 2.70	1.80 x 1.35	1.35 x 1.01	0.86 x 0.65	0.43 x 0.32	0.29 x 0.22	0.12 x 0.09
5	6.67 x 5.00	4.00 x 3.00	2.00 x 1.50	1.50 x 1.13	0.96 x 0.72	0.48 x 0.36	0.32 x 0.24	0.13 x 0.10
6	8.00 x 6.00	4.80 x 3.60	2.40 x 1.80	1.80 x 1.35	1.15 x 0.86	0.58 x 0.43	0.38 x 0.29	0.16 x 0.12
7	9.33 x 7.00	5.60 x 4.20	2.80 x 2.10	2.10 x 1.58	1.34 x 1.01	0.67 x 0.50	0.45 x 0.34	0.19 x 0.14
8	10.67 x 8.00	6.40 x 4.80	3.20 x 2.40	2.40 x 1.80	1.54 x 1.15	0.77 x 0.58	0.51 x 0.38	0.21 x 0.16
9	12.00 x 9.00	7.20 x 5.40	3.60 x 2.70	2.70 x 2.03	1.73 x 1.30	0.86 x 0.65	0.58 x 0.43	0.24 x 0.18
10	13.33 x 10.00	8.00 x 6.00	4.00 x 3.00	3.00 x 2.25	1.92 x 1.44	0.96 x 0.72	0.64 x 0.48	0.27 x 0.20
11	14.67 x 11.00	8.80 x 6.60	4.40 x 3.30	3.30 x 2.48	2.11 x 1.58	1.06 x 0.79	0.70 x 0.53	0.29 x 0.22
12	16.00 x 12.00	9.60 x 7.20	4.80 x 3.60	3.60 x 2.70	2.30 x 1.73	1.15 x 0.86	0.77 x 0.58	0.32 x 0.24
13	17.33 x 13.00	10.40 x 7.80	5.20 x 3.90	3.90 x 2.93	2.50 x 1.87	1.25 x 0.94	0.83 x 0.62	0.35 x 0.26
14	18.67 x 14.00	11.20 x 8.40	5.60 x 4.20	4.20 x 3.15	2.69 x 2.02	1.34 x 1.01	0.90 x 0.67	0.37 x 0.28
15	20.00 x 15.00	12.00 x 9.00	6.00 x 4.50	4.50 x 3.38	2.88 x 2.16	1.44 x 1.08	0.96 x 0.72	0.40 x 0.30
20	26.67 x 20.00	16.00 x 12.00	8.00 x 6.00	6.00 x 4.50	3.84 x 2.88	1.92 x 1.44	1.28 x 0.96	0.53 x 0.40
25	33.33 x 25.00	20.00 x 15.00	10.00 x 7.50	7.50 x 5.63	4.80 x 3.60	2.40 x 1.80	1.60 x 1.20	0.67 x 0.50
30	40.00 x 30.00	24.00 x 18.00	12.00 x 9.00	9.00 x 6.75	5.76 x 4.32	2.88 x 2.16	1.92 x 1.44	0.80 x 0.60
60	80.00 x 60.00	48.00 x 36.00	24.00 x 18.00	18.00 x 13.50	11.52 x 8.64	5.76 x 4.32	3.84 x 2.88	1.60 x 1.20
90	120.00 x 90.00	72.00 x 54.00	36.00 x 27.00	27.00 x 20.25	17.28 x 12.96	8.64 x 6.48	5.76 x 4.32	2.40 x 1.80
120	160.00 x 120.00	96.00 x 72.00	48.00 x 36.00	36.00 x 27.00	23.04 x 17.28	11.52 x 8.64	7.68 x 5.76	3.20 x 2.40
150	200.00 x 150.00	120.00 x 90.00	60.00 x 45.00	45.00 x 33.75	28.80 x 21.60	14.40 x 10.80	9.60 x 7.20	4.00 x 3.00

SLA-12240/880

1/2" C-mount Motorized 20x/10x Zoom Lens



SLA-12240 SLA-880

C Mount | 12 ~ 240mm | 8 ~ 80mm | MEGA PIXEL | Wide

Key Features

- Built-in 50mm lens with micro bolometer sensor
- Auto iris : SLA-12240 (DC), SLA-880 (Video)
- 20x optical zoom, 12 ~ 240mm / 0.47" ~ 9.45" (SLA-12240)
  10x optical zoom, 8 ~ 80mm / 0.31" ~ 3.15" (SLA-880)

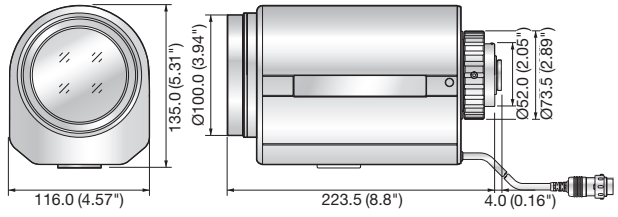
Technical Specifications

		SLA-12240	SLA-880	
CCD		1/2"	1/2"	1/3"
Resolution		1.3Megapixel	520K pixel	
Iris Type		Auto iris (DC)	Auto iris (Video)	
Object Distance		2.8m ~ ∞	0.2m ~ ∞	
Zoom Ratio		20x	10x	
Mount		C-mount	C-mount	
Focal Length		12 ~ 240mm / 0.47" ~ 9.45"	8 ~ 80mm / 0.31" ~ 3.15"	
Max. Aperture Ratio		F 1.6	F 1.2	
Angle of View	Diagonal	38.9° ~ 1.9°	54.3° ~ 5.8°	41.3° ~ 4.4°
	Horizontal	30.8° ~ 1.6°	44.0° ~ 4.7°	33.3° ~ 3.5°
	Vertical	23° ~ 1.2°	33.3° ~ 3.5°	25° ~ 2.6°
Operation	Iris	F 1.6 ~ F 720C	F 1.2 ~ F 560C	
	Focus	2.8m ~ ∞	1.5m ~ ∞	
	Zoom	Motorized	Motorized	
Control	Iris	3.3V DC	8.5V DC ~ 16V DC	
	Focus	6 ~ 12V DC	8V DC	
	Zoom	6 ~ 12V DC	8V DC	
Object Dimension at M.O.D.		240mm : 66mm x 50mm 9.45" : 2.6" x 1.97"	80mm : 123mm x 92mm 3.15" : 4.84" x 3.62"	
Back Focal Length		19.82mm / 0.78"	15.3mm / 0.6"	
Flange Back Length		17.526mm / 0.69"	17.526mm / 0.69"	
Preset		Built-in	N/A	
Input Signal		Video signal (V or VS)	Video signal (V or VS)	
Sensitivity Adjustment		0.5V(p-p) ~ 1.0V(p-p) (Video signal)	0.5V(p-p) ~ 1.0V(p-p) (Video signal)	
Operating Temperature		-10°C~ +50°C (+14°F ~ +122°F)	-10°C~ +50°C (+14°F ~ +122°F)	
Dimensions (WxHxD)		116.0 x 135.0 x 223.5mm (4.57" x 5.31" x 8.8")	70.0 x 81.0 x 123.5mm (2.76" x 3.19" x 4.86")	
Weight		2.6Kg (5.73 lb)	670g (1.48 lb)	

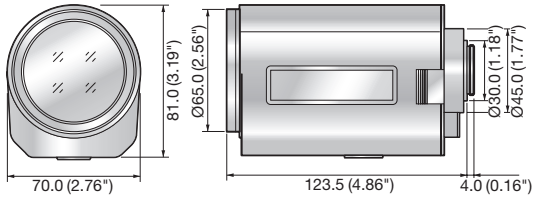
* The latest product information / specification can be found at www.samsungsecurity.com

Dimensions

Unit : mm (inch)



SLA-12240



SLA-880

SLA-3580DN/2812DN/550DV/612DN

1/3", 1/2" CS-mount Auto Iris Lens



SLA-3580DN SLA-2812DN SLA-550DV SLA-612DN

CS Mount | Varifocal | DC Iris | Manual Zoom | Manual Focus

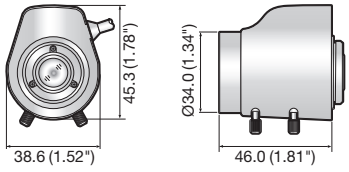
Key Features

- F1.0 (SLA-3580DN), F1.3 (SLA-2812DN/550DV)
  F1.6 (SLA-612DN) DC type auto iris
- Varifocal 3.5 ~ 8mm / 0.14" ~ 0.31" (SLA-3580DN)
  2.8 ~ 12mm / 0.11" ~ 0.47" (SLA-2812DN)
  5 ~ 50mm / 0.2" ~ 1.97" (SLA-550DV)
  6 ~ 12mm / 0.24" ~ 0.47" (SLA-612DN)

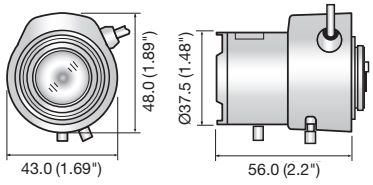
Dimensions

Unit : mm (inch)

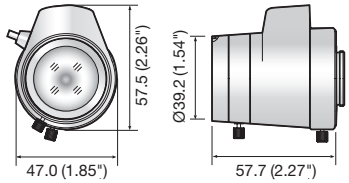
SLA-3580DN



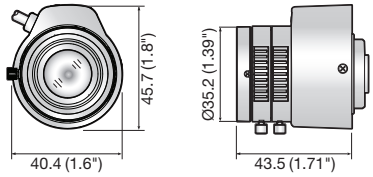
SLA-2812DN



SLA-550DV



SLA-612DN



Technical Specifications

		SLA-3580DN	SLA-2812DN	SLA-550DV	SLA-612DN
CCD		1/3"	1/3"	1/3"	1/2"
Resolution		520K pixel	520K pixel	520K pixel	520K pixel
Zoom Ratio		2.3x	4.2x	10x	2x
Focal Length		3.5 ~ 8mm 0.14" ~ 0.31"	2.8 ~ 12mm 0.11" ~ 0.47"	5 ~ 50mm 0.2" ~ 1.97"	6 ~ 12mm 0.24" ~ 0.47"
Max. Aperture Ratio		1 : 1.0 ~ 360	1 : 1.3 ~ 360	1 : 1.3 ~ 360	1 : 1.6 ~ 300
Max. Image Format		4.8(H) x 3.6(V)	4.8(H) x 3.6(V)	4.8(H) x 3.6(V)	6.4(H) x 4.8(V)
Angle of View	Diagonal	111.2° ~ 44.7°	133.0° ~ 29.7°	64.0° ~ 6.9°	86.4° ~ 38.8°
	Horizontal	83.5° ~ 35.6°	102.2° ~ 23.8°	51.8° ~ 5.6°	65.3° ~ 30.8°
	Vertical	60.4° ~ 26.6°	74.2° ~ 17.8°	39.2° ~ 4.3°	47.4° ~ 23°
Operation	Iris	Auto (F1.0 ~ 360)	Auto (F1.3 ~ 360)	Auto (F1.3 ~ 360)	Auto (F1.6 ~ 300)
	Focus	Manual	0.3 ~ ∞	0.8 ~ ∞	Manual
	Zoom	Manual	Manual	Manual	Manual
Iris Type		DC	DC	DC	DC
Effective Lens Aperture	Front	Ø17.5mm Ø0.69"	Ø23.0mm Ø0.9"	Ø29.5mm Ø1.16"	Ø17.9mm Ø0.7"
	Rear	Ø8.8mm Ø0.35"	Ø7.2mm Ø2.8"	Ø8.7mm Ø0.34"	Ø9mm Ø0.35"
Back Focal Length		8.7 ~ 14.7mm 0.34" ~ 0.58"	20.2 ~ 8.1mm 0.8" ~ 0.32"	10.5 ~ 10.6mm 0.41" ~ 0.42"	7.55 ~ 12.13mm 0.3" ~ 0.48"
Flange Back Length		12.5mm / 0.49"	12.5mm / 0.49"	12.5mm / 0.49"	12.5mm / 0.49"
Mount		CS-mount	CS-mount	CS-mount	CS-mount
Dimensions (WxHxD)		38.6 x 45.3 x 46.0mm (1.52" x 1.78" x 1.81")	43.0 x 48.0 x 56.0mm (1.69" x 1.89" x 2.2")	47.0 x 57.5 x 57.7mm (1.85" x 2.26" x 2.27")	40.4 x 45.7 x 43.5mm (1.6" x 1.8" x 1.71")
Weight		54.5g (0.12 lb)	71g (0.16 lb)	100g (0.22 lb)	53g (0.12 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

SLA-M2882/M3180DN

1/3", 1/2.8" CS-mount Auto Iris Megapixel Lens



SLA-M2882



SLA-M3180DN

CS Mount | Varifocal | DC Iris | Manual Zoom | Manual Focus | MEGA PIXEL

Key Features

- F1.4 (SLA-M2882), F1.2 (SLA-M3180DN) DC type auto iris
- Varifocal 2.8 ~ 8.2mm / 0.11" ~ 0.32" (SLA-M2882)
  3.1 ~ 8mm / 0.12" ~ 0.31" (SLA-M3180DN)

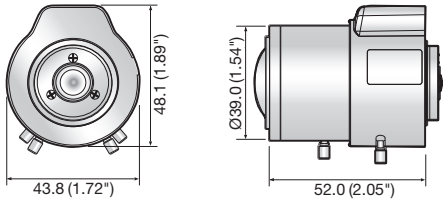
Technical Specifications

		SLA-M2882	SLA-M3180DN
CCD		1/3"	1/2.8"
Resolution		1.3Megapixel	3Megapixel
Zoom Ratio		2.9x	2.6x
Focal Length		2.8 ~ 8.2mm / 0.11" ~ 0.32"	3.1 ~ 8mm / 0.12" ~ 0.31"
Max. Aperture Ratio		1 : 1.4 ~ 360	1 : 1.2 ~ 360
Max. Image Format		4.8(H) x 3.6(V)	3.2(H) x 5.8(V)
Angle of View	Diagonal	116.5° ~ 42.4°	123.1° ~ 48.3°
	Horizontal	94.2° ~ 34.1°	105.4° ~ 42.2°
	Vertical	71° ~ 25.6°	57.9° ~ 23.8°
Operation	Iris	Auto (F1.4 ~ 360)	Auto (F1.2 ~ 360)
	Focus	Manual	Manual
	Zoom	Manual	Manual
Iris Type		DC	DC
Effective Lens Aperture	Front	Ø26mm / Ø1.02"	Ø20.9mm / Ø0.82"
	Rear	Ø8.6mm / Ø0.34"	Ø10.5mm / Ø0.41"
Back Focal Length		7.97 ~ 14.12mm / 0.31" ~ 0.56"	7.8mm / 0.31"
Flange Back Length		12.5mm / 0.49"	12.5mm / 0.49"
Mount		CS-mount	CS-mount
Dimensions (WxHxD)		43.8 x 48.1 x 52.0mm (1.72" x 1.89" x 2.05")	43.8 x 48.2 x 55.0mm (1.72" x 1.9" x 2.17")
Weight		100g (0.22 lb)	59g (0.13 lb)

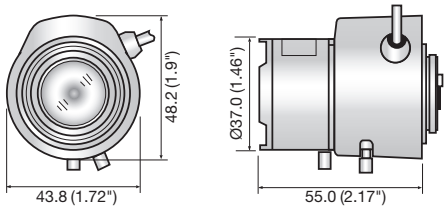
* The latest product information / specification can be found at www.samsungsecurity.com

Dimensions

Unit : mm (inch)



SLA-M2882



SLA-M3180DN

PTZ Housings/Mounts





		SHP-3701H	SHP-3701F
Operating Temperature		-50°C ~ +50°C (-58°F ~ +122°F)	-10°C ~ +50°C (+14°F ~ +122°F)
Operating Humidity		0 ~ 90% RH	0 ~ 90% RH
Materials	Body	Aluminum + Poly carbonate	Poly carbonate
	Bubble	Poly carbonate	Poly carbonate
Ingress Protection		IP66	N/A
Dimensions (WxHxD)	External	Ø250.0 x 319.0mm (Ø9.84" x 12.56")	Ø254.0 x 276.4mm (Ø10" x 10.88")
	Internal	Ø195.0 x 230.0mm (Ø7.68" x 9.06")	Ø186.0 x 242.0 (145 at Housing)mm (Ø7.32" x 9.53")
Weight		2.9Kg (6.39 lb)	830g (1.83 lb)
Input Voltage		24V AC	N/A
Power Consumption		Max. 50W	N/A
Color		Ivory	Ivory
Applicable Model		SCP-3370/2370/2330/2270 SCP-2250 SCP-3371/2371/2271 SNP-6200/5200 SNP-5300 SNP-3371/3302	SCP-3370/2370/2330/2270 SCP-2250 SCP-3371/2371/2271 SNP-6200/5200 SNP-5300 SNP-3371/3302

* The latest product information / specification can be found at www.samsungsecurity.com



Wall Mount



Wall Mount



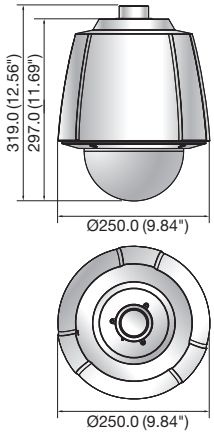
Wall Mount Base

	SBP-300WM1	SBP-300WM	SBP-300B
Materials	Aluminum + SECC	Aluminum + SECC	Aluminum + SECC
Dimensions (WxHxD)	112.0 x 183.0 x 207.5mm (4.41" x 7.2" x 8.17")	112.0 x 183.0 x 276.5mm (4.41" x 7.2" x 10.89")	120.0 x 190.9 x 35.0mm (4.72" x 7.52" x 1.38")
Pipe Thread	1 1/2" PF	1 1/2" PF	N/A
Weight	850g (1.87 lb)	850g (1.87 lb)	700g (1.54 lb)
Color	Ivory		
Applicable Model	SCP-3430H/2430H/2250H SCP-3370TH/3370H SCP-2370TH/2370H/2330H SCP-3371H/2371H/2271H SCP-3120VH SNP-6200H/5200H/3302H SNP-5300H SNP-3371TH/3371H SNP-3120VH SBP-300HM/HM2/HM3 SHP-3701H	SCP-3430H/2430H/2250H SCP-3370TH/3370H SCP-2370TH/2370H/2330H SCP-3371H/2371H/2271H SCP-3120VH SNP-6200H/5200H/3302H SNP-5300H SNP-3371TH/3371H SNP-3120VH SBP-300HM/HM2/HM3 SHP-3701H	SBP-300WM1 SBP-300WM

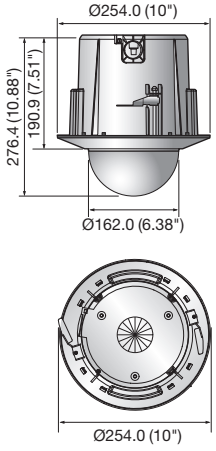
* The latest product information / specification can be found at www.samsungsecurity.com

Dimensions

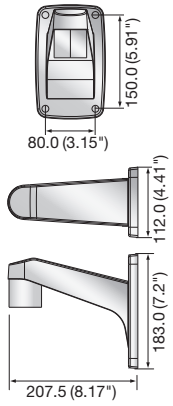
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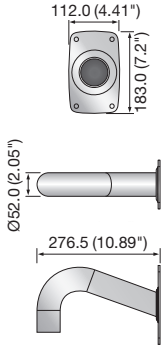
SHP-3701H



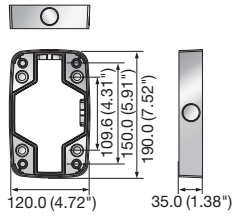
SHP-3701F



SBP-300WM1



SBP-300WM



SBP-300B

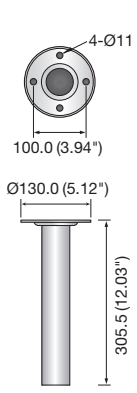
PTZ/Dome Mounts

	Ceiling Mount	Hanging Mount	Hanging Mount	Hanging Mount	Parapet Mount	Pole Mount	Corner Mount
	SBP-300CM	**SBP-300HM1**	**SBP-301HM2**	**SBP-301HM3**	**SBP-300LM**	**SBP-300PM**	**SBP-300KM**
Materials	Aluminum + SECC	Aluminum	Aluminum	Aluminum	Aluminum + SECC	SECC	SECC
Dimensions (WxHxD)	Ø130.0 x 305.5mm (Ø5.12" x 12.03")	Ø178.0 x 53.0mm (Ø7.01" x 2.09")	Ø144.0 x 51.0mm (Ø5.67" x 2.01")	Ø155.4 x 55.0mm (Ø6.12" x 2.17")	297.0 x 897.0 x 668.0mm (11.69" x 35.31" x 26.3")	166.0 x 183.0 x 65.0mm (6.54" x 7.2" x 2.56")	115.0 x 183.0 x 100.0mm (4.53" x 7.2" x 3.94")
Pipe Thread	1 1/2" PF	N/A	N/A	N/A	1 1/2" PF	N/A	N/A
Weight	700g (1.54 lb)	500g (1.1 lb)	500g (1.1 lb)	500g (1.1 lb)	3.5Kg (7.72 lb)	1.4Kg (3.09 lb)	2.2Kg (4.85 lb)
Color	Ivory						
Applicable Model	SCP-3430H/2430H/2250H SCP-3370TH/3370H SCP-2370TH/2370H/2330H SCP-3371H/2371H/2271H SCP-3120VH SNP-6200H/5200H/3302H SNP-3371TH/3371H SNP-3120VH SHP-3701H SBP-300HM1/301HM2 SBP-301HM3	SCP-2250 SCP-3370/2370/2330/2270 SCP-3371/2371/2271 SCP-3120 SNP-6200/5200/3371/3302 SNP-5300 SBP-37	SCD-6080 SND-7082 SND-6084 SND-6083 SND-6084R SCV-3081 SCV-2081 SCV-2081R SNV-1080/1080R	SCV-3120/2120 SCV-3080/2080/2060 SCV-2080R SNV-7082/7080R SNV-3120 SNV-3082/3080 SNV-6084R SNV-5080/5080R	SCP-3430H/2430H/2250H SCP-3370TH/3370H SCP-2370TH/2370H/2330H SCP-3371H/2371H/2271H SCP-3120VH SNP-6200H/5200H/3302H SNP-3371TH/3371H SNP-3120VH SHP-3701H SBP-300HM1/301HM2 SBP-301HM3	SBP-300WM1 SBP-300WM SBP-300B	SBP-300WM1 SBP-300WM SBP-300B

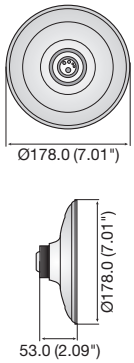
* The latest product information / specification can be found at www.samsungsecurity.com

Dimensions

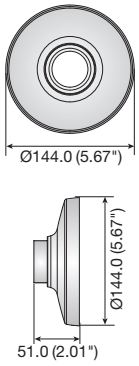
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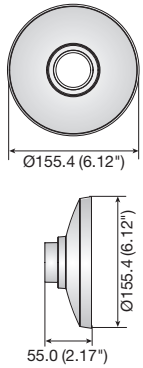
SBP-300CM



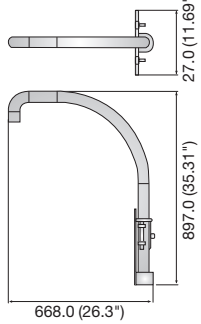
SBP-300HM1



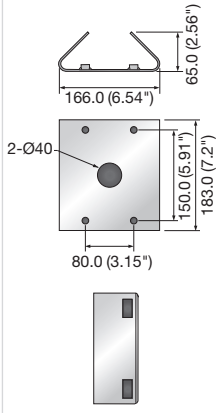
SBP-301HM2



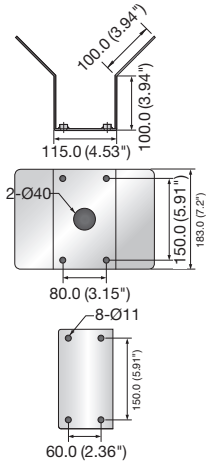
SBP-301HM3



SBP-300LM



SBP-300PM



SBP-300KM

Fixed Housings







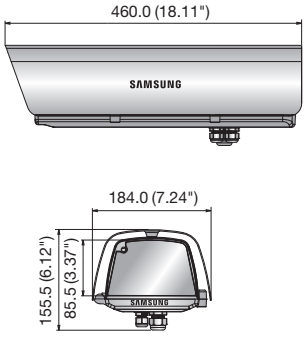


		SHB-4300H	SHB-4300H1	SHB-4300H2	SHB-4200	SHB-4200H	STH-500	STH-200
Open Type		Side open	Side open	Side open	Side open	Side open	Side open	Side open
Cable Entry		Nylon gland	Nylon gland	Nylon gland	Nylon gland	Nylon gland	Nylon gland	Nylon gland
Operating Temperature	Set	-35°C ~ +50°C (-31°F ~ +122°)	-50°C ~ +50°C (-58°F ~ +122°F)	-50°C ~ +50°C (-58°F ~ +122°F)	-10°C ~ +50°C (14°F ~ +122°)	-35°C ~ +50°C (-31°F ~ +122°)	-10°C ~ +50°C (14°F ~ +122°)	-40°C ~ +50°C (-40°F ~ +122°F)
	Heater	5°C ± 5°C on	5°C ± 5°C on	5°C ± 5°C on	N/A	4°C ± 3°C on	N/A	N/A
	Blower	+45°C ~ +5°C on	+45°C ~ +5°C on	+45°C ~ +5°C on	N/A	+45°C ~ +5°C on	N/A	N/A
Defroster		N/A	Constant	Constant	N/A	N/A	N/A	N/A
Operating Humidity		-20% ~ 49% RH	-20% ~ 49% RH	-20% ~ 49% RH	-20% ~ 49% RH	-20% ~ 49% RH	-20% ~ 49% RH	-20% ~ 49% RH
Materials		Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Ingress Protection		IP66	IP66	IP66	IP66	IP66	N/A	N/A
Dimensions (WxHxD)	External	184.0 x 127.0 x 460.0mm (7.24" x 5" x 18.11")	184.0 x 127.0 x 460.0mm (7.24" x 5" x 18.11")	184.0 x 127.0 x 460.0mm (7.24" x 5" x 18.11")	148.0 x 107.0 x 421.0mm (5.8" x 4.21" x 16.57")	148.0 x 107.0 x 421.0mm (5.83" x 4.21" x 16.57")	144.0 x 100.0 x 500.0mm (5.67" x 3.94" x 19.69")	118.0 x 92.0 x 405.0mm (4.65" x 3.62" x 15.94")
	Internal	100.0 x 80.0 x 383.0mm (3.94" x 3.15" x 15.08")	100.0 x 80.0 x 383.0mm (3.94" x 3.15" x 15.08")	100.0 x 80.0 x 383.0mm (3.94" x 3.15" x 15.08")	84.0 x 69.0 x 319.0mm (3.31" x 2.72" x 12.56")	84.0 x 69.0 x 319.0mm (3.31" x 2.72" x 12.56")	88.0 x 68.0 x 383.0mm (3.46" x 2.68" x 15.08")	70.0 x 56.0 x 360.0mm (2.76" x 2.2" x 14.17")
Weight		3.5Kg (7.72 lb)	3.7Kg (8.16 lb)	3.7Kg (8.16 lb)	1Kg (2.2 lb)	1.1Kg (2.3 lb)	1.5Kg (3.31 lb)	1Kg (2.2 lb)
Input Voltage		24V AC	24V AC	230V AC	N/A	24V AC	N/A	N/A
Color		Ivory	Ivory	Ivory	Ivory	Ivory	Ivory	Ivory
Applicable Model		Box Cameras (Network / Analogue)	Box Cameras (Network / Analogue)	Box Cameras (Network / Analogue)	Box Cameras (Network / Analogue)	Box Cameras (Network / Analogue)	Box Cameras (Network / Analogue)	Box Cameras (Network / Analogue)

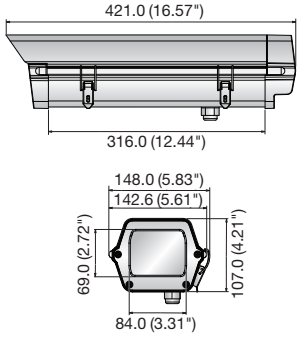
* The latest product information / specification can be found at www.samsungsecurity.com

Dimensions

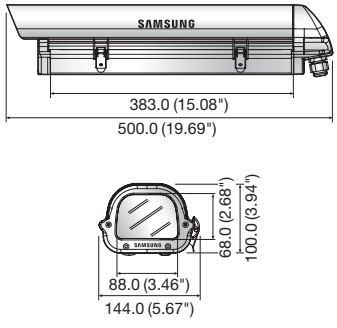
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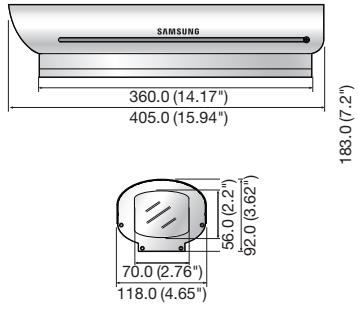
SHB-4300H/4300H1/4300H2



SHB-4200/4200H



STH-500



STH-200

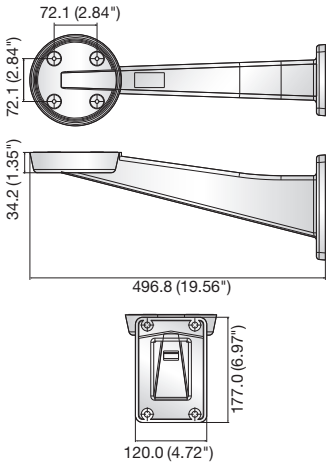
Fixed Mounts

				
	SBU-500WM	**SBU-220PM**	**STB-400**	**STB-4150V**
Load Weight	20Kg (44.09 lb)	20Kg (44.09 lb)	5Kg (11.02 lb)	0.4Kg (0.88 lb)
Tilt	N/A	N/A	Manual	Manual
Materials	ALDC	ALDC	Aluminum	Aluminum
Dimensions (WxHxD)	120.0 x 496.8 x 177.0mm (4.72" x 19.56" x 6.97")	Ø154.7 x 170.0mm (Ø6.09" x 6.69")	89.0 x 108.0 x 366.0mm (3.5" x 4.25" x 14.41")	Ø80.0 x 155.4mm (Ø3.15" x 6.12")
Weight	1.79Kg (3.95 lb)	1.5Kg (3.31 lb)	1Kg (2.2 lb)	400g (0.88 lb)
Color	Ivory	Ivory	Ivory	Silver
Applicable Model	SCU-2370 SCU-9051 SCU-VAC/VAC1	SCU-2370 SCU-9051 SCU-VAC/VAC1	STH-500 STH-200	Box Cameras

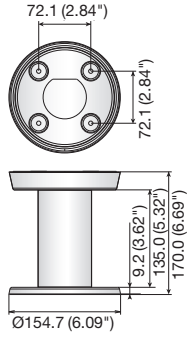
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Dimensions

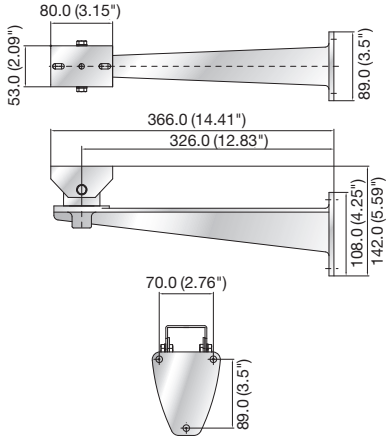
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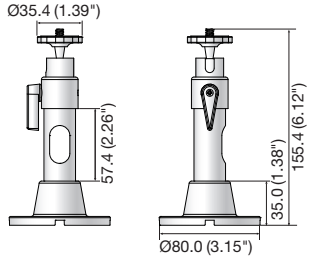
SBU-500WM



SBU-220PM



STB-400



STB-4150V

SPH-120R/110C

HD CCTV Repeater / Converter



SPH-120R

SPH-110C

Key Features

SPH-120R

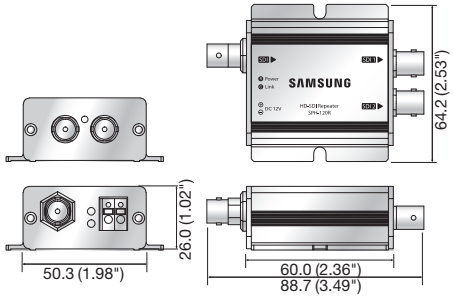
- Repeat the HD-SDI signal from the HD CCTV cameras and enables the extension for the transmission distance

SPH-110C

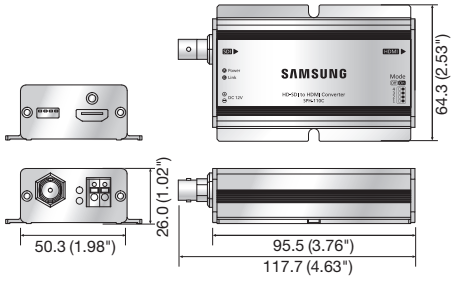
- Accepts the HD-SDI signal from the HD CCTV cameras and converts the signal for presentation on the HDMI input of the monitor

Dimensions

Unit : mm (inch)



SPH-120R



SPH-110C

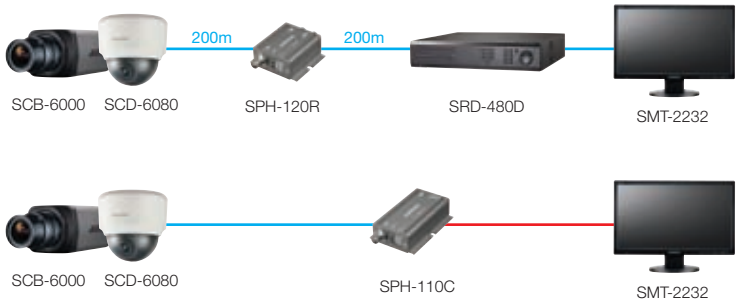
Technical Specifications

		SPH-120R
VIDEO		
Input		1CH (SMPTE 292M)
Output		2CH (SMPTE 292M)
Display	Video Fomat	720p, 1080p
	Distance	Approx. 200m of RG6, 140m of RG59
	Function	Equalizer, Re-clocker, Driver included
	Compatibility	HD CCTV compliance, SMPTE-292/296M
OPERATIONAL		
I / O	LED	Power, Link
GENERAL		
Power Consumption		12V DC, 3W
Operating Temperature		+0°C ~ +50°C (+32°F ~ +122°F)
Operating Humidity		0% ~ 80% RH
Dimensions (WxHxD)		88.7 x 26.0 x 64.2mm (3.49" x 1.02" x 2.53")
Weight		100g (0.22 lb)

		SPH-110C
VIDEO		
Input	HD-SDI (BNC)	1CH (SMPTE 292M)
	Resolution	1080p (1920 x 1080) / 720p (1280 x 720)
Output	HDMI	1CH (SMPTE 292M)
	Resolution	1080p (50Hz/60Hz), 720p (50Hz/60Hz)
OPERATIONAL		
Mode Switch		4 Switch for function
Indicator		Power LED (RED), Link LED (Green)
GENERAL		
Power Consumption		12V DC, 4W
Operating Temperature		+0°C ~ +50°C (+32°F ~ +122°F)
Operating Humidity		0% ~ 80% RH
Dimensions (WxHxD)		111.7 x 26.0 x 64.3mm (4.40" x 1.02" x 2.53")
Weight		129g (0.28 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

System Configuration



UTP System



		SPU-100TR
Video Input Signal		CVBS 1.0Vp-p, 75Ω / Balanced differential signal 100Ω
Video Output Signal		Balanced differential signal 100Ω / CVBS 1.0Vp-p, 75Ω
Video	Freq. Response	DC to 5MHz
	Impedance	Coax, BNC 75Ω / UTP, RJ-45 50Ω
Max. Distance	Video	225m (750ft)
Port	Video Input	2P terminal block or BNC-male
	Video Output	2P terminal block or BNC-male
Operating Temperature		-10°C ~ +50°C (+14°F ~ +122°F)
Operating Humidity		0% ~ 80% RH
Materials		ABS
Dimensions (WxHxD)		17.0 x 17.0 x 56.0mm (0.67" x 0.67" x 2.2")
Weight		20g (0.04 lb)

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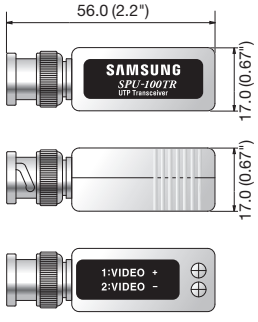


		SPU-400	SPU-400R
Video Input Signal		Cable link	Balanced differential signal 100Ω
Video Output Signal		Cable link	CVBS 1.0Vp-p, 75Ω
Video	Freq. Response	N/A	DC to 5MHz
	Common-mode Rejection	N/A	60dB
	Impedance	N/A	Coax, BNC 75Ω / UTP, RJ-45 50Ω
Max. Distance	Power	300m (1,000ft)	N/A
	Video	Cable link	900m (3,000ft)
Power	Display	LED	Switch LED
	Input	115 / 230V AC, 50/60Hz	100 ~ 240V AC, 50/60Hz
	Output	24V AC / 28V AC, 1Amp.	N/A
	Voltage Control	24V AC / Off / 28V AC switchable	N/A
	Power on Display	Green	Green
	Protection	4A fuse	2.5A fuse
Port	Video Input	4port (RJ-45)	1port (RJ-45)
	Video Output	1port (RJ-45)	Female BNC it has 2 outputs per channel
	DATA	1port (RJ-45)	N/A
LED Display	Red	Short shutdown condition	No signal detected
	Green	Load connected and working	Valid video signal
	Amber	Overload	N/A
	Off	Not connected	N/A
Operating Temperature		-10°C ~ +50°C (+14°F ~ +122°F)	-10°C ~ +50°C (+14°F ~ +122°F)
Operating Humidity		0% ~ 80% RH	0% ~ 80% RH
Materials		Steel	Steel
Dimensions (WxHxD)		260.0 x 44.0 x 225.0mm (10.24" x 1.73" x 8.86")	430.0 x 43.0 x 250.0mm (16.93" x 1.69" x 9.84")
Weight		4.35Kg (9.59 lb)	2.56Kg (5.64 lb)

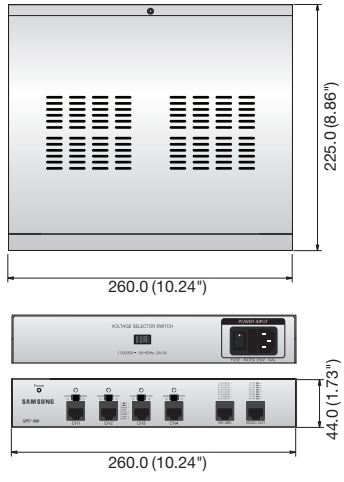
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Dimensions

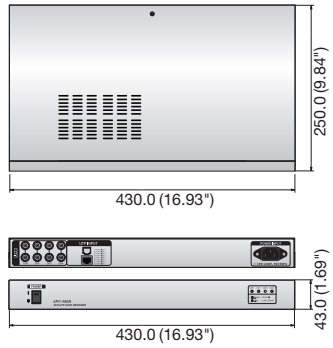
Unit : mm (inch)



SPU-100TR



SPU-400



SPU-400R

Positioning

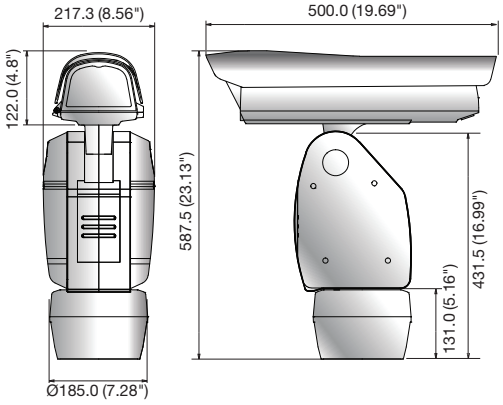


		SCU-VAC
Electrical	Input Voltage	24V AC
	Power Consumption	Max. 100W
Operational	Pan Range	360° Endless
	Pan Speed	Preset : 0.1° ~ 120°/sec, Manual : 0.1°/sec ~ 36°/sec (Turbo : 120°/sec)
	Tilt Range	-85° ~ 40°
	Tilt Speed	Preset : 0.1° ~ 36°/sec, Manual : 0.1°/sec ~ 36°/sec
	Preset Positions	255
	Preset Accuracy	±0.1°
Environmental	Operating Temperature	-50°C ~ +55°C (-58°F ~ +131°F)
	Operating Humidity	0% ~ 90% RH
Mechanical	Material	Aluminum diecasting
	Dimensions (WxHxD)	External : 217.3 x 587.5 x 500.0mm (8.56" x 23.13" x 19.69") / Internal : 100.0 x 75.0 x 365.0mm (3.94" x 2.95" x 14.37")
	Weight	17Kg (37.48 lb)
	Ingress Protection	IP66
	Certificate	FCC (Class A), UL/cUL Listed, CE (Class A)

* The latest product information / specification can be found at www.samsungsecurity.com

Dimensions

Unit : mm (inch)



Accessories (Optional)



SBU-500WM



SBU-220PM



SPI-10/30



SBU-550IM

SPI-10/30, SBU-550IM

IR Illuminator / Bracket



Key Features

SPI-10/30

- IR illuminator can be applied with Samsung positioning system (SCU-2370, SCU-VAC)
- Viewable length of 100m (328.1ft) : SPI-10
  70m (229.66ft) : SPI-30
- Radiation angle of 10˚ : SPI-10 / 30˚ : SPI-30
- IP66

SBU-550IM

- Bracket for SPI-10/30

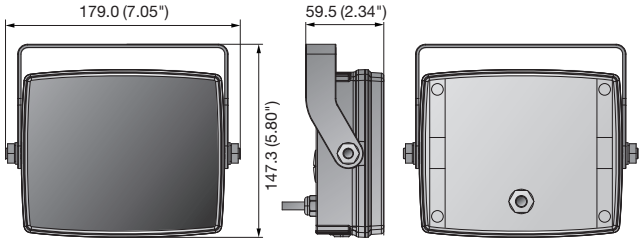
Technical Specifications

	SPI-10	SPI-30
GENERAL		
IR Distance	100m (328.1ft)	70m (229.66ft)
Radiation Angle	10°	30°
LEDs	High efficiency 32 LED array	
Wave Length	850nm	
Main Material	Body : Aluminum Front cover : Plastic (Black)	
Ingress Protection	IP66 grade	
ELECTRICAL		
Power	Dual (24V AC / 12V DC)	
Power Consumption	22W	
MECHANICAL		
Operating Temperature	-40°C ~ +50°C (-40°F ~ +122°F)	
Dimensions (WxHxD)	179.0 x 147.3 x 59.5mm (7.05" x 5.80" x 2.34")	
Weight	880g (1.94 lb)	

* The latest product information / specification can be found at www.samsungsecurity.com

Dimensions

Unit : mm (inch)



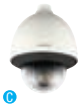


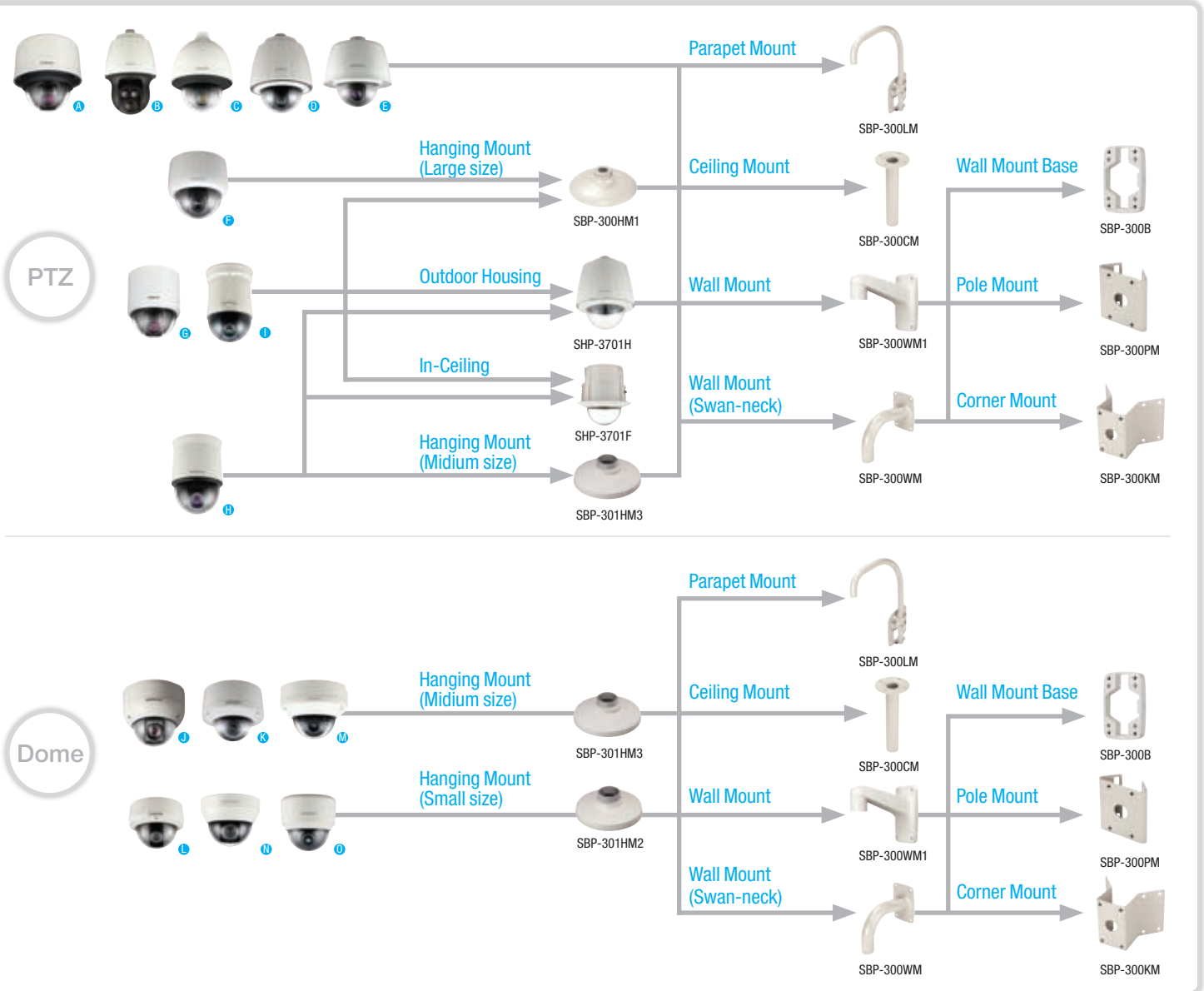
SPI-10/30 with SBU-550IM



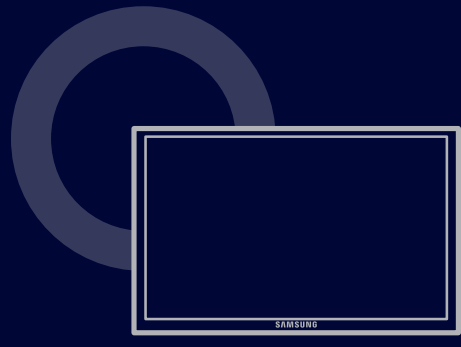
SCU-2370 with SPI-10/30 and SBU-550IM

Accessories Configuration

Type	Outdoor PTZ					Indoor PTZ				Vandal-Resistant				Dome	
Shape	 A	 B	 C	 D	 E	 F	 G	 H	 I	 J	 K	 L	 M	 N	 O
Color	Ivory														
Model	SCP-3430H SCP-2430H SCP-2250H	SCP-2370RH	SCP-3371H SCP-2371H SCP-2271H SNP-5300H	SCP-3370TH SCP-3370H SCP-2370TH SCP-2370H SCP-2330H SCP-2270H SNP-5200H SNP-6200H SNP-3371TH SNP-3371H SNP-3302H	SCP-3120VH SNP-3120VH	SCP-3120 SCP-2120 SNP-3120	SCP-2250	SCP-3371 SCP-2371 SCP-2271 SNP-5300	SCP-3370 SCP-2370 SCP-2330 SCP-2270 SNP-5200 SNP-6200 SNP-3371 SNP-3302	SCV-2120 SCV-2080R	SCV-3120 SCV-3080 SCV-2080 SCV-2060 SNV-7082 SNV-7080R SNV-5080 SNV-5080R SNV-3120 SNV-3082	SCV-3082 SCV-3081 SCV-2081 SCV-2081R SNV-1080 SNV-1080R	SNV-6084R	SND-6084 SND-6083 SND-6084R	SND-7082 SND-5080 SND-3082 SCD-6080



SAMSUNG TOTAL SECURITY SOLUTIONS



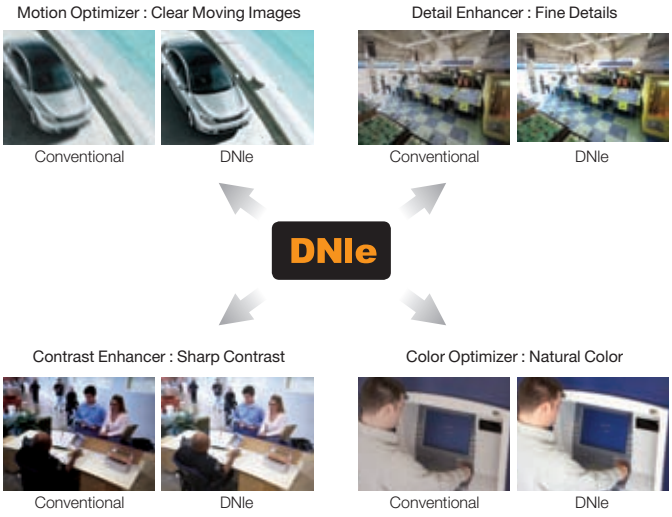
MONITOR



Monitor Terms & Features

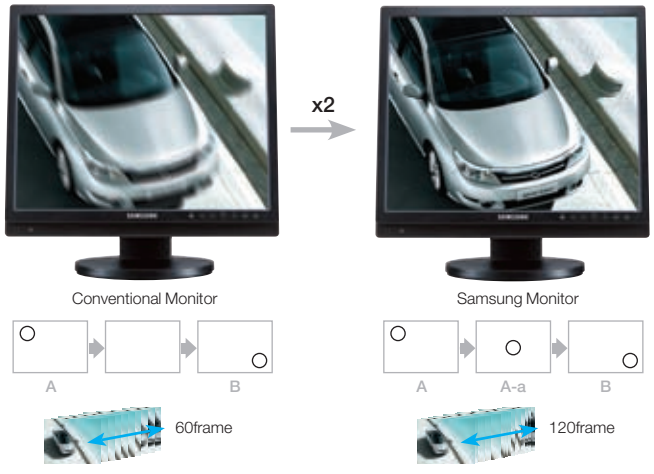
DNIe (Digital Natural Image engine)

Samsung's proprietary technology embedded in premium LCD TV to enhance picture quality for the best performance. By utilizing DNIe technology, monitors provide enhanced image reproduction quality with optimized color, enhanced contrast and higher resolution. It delivers rich color and crystal clear images for more comfortable reading and reducing eye fatigue.



120Hz Motion Technology

With twice the amount of processing power, 120Hz Motion Technology allows you to monitor clear and vivid images that are twice as fast as 60Hz monitors and conventional TVs.



Tempered Glass Screen

Monitors with tempered glass screen design protects the screen from dirt, repetitive touching or scratching. The screen can be easily cleaned with common cleaning solution such as water or alcohol.



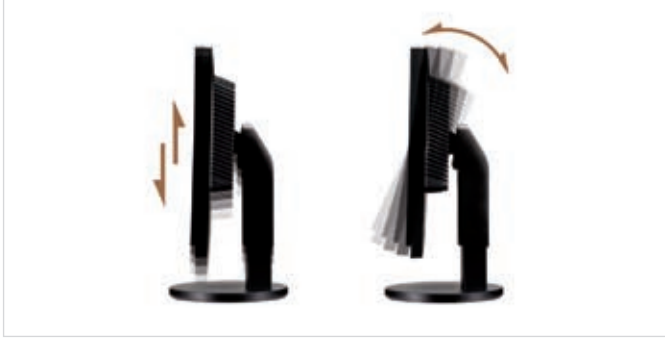
PIP (Picture in Picture), PBP (Picture by Picture)

The PIP, PBP functions allow a security manager to use a PC and view a CCTV camera at the same time. It could also allow the manager to always have a video image from an important camera on display in the corner at all times.



HAS (Height Adjustable Stand)

Samsung monitors with HAS feature can be adjusted to a user's comfort level. Maximize your efficiency with the convenient height adjustable stand.



Monitor Selection

	LED Monitor			
	SMT-4030	SMT-3230	SMT-2730	SMT-2232
				
Screen Size	40"	32"	27"	21.5"
Resolution (pixels HxV)	1,920 x 1,080	1,920 x 1,080	1,920 x 1,080	1,920 x 1,080
Composite Video Resolution	600TV lines	600TV lines	600TV lines	600TV lines
Video In/Out	1	1	2 / 2	2 / 2
RGB In	1	1	1	1
DVI / HDMI	1 / 2	1 / 2	0 / 1	0 / 1
Audio In (Stereo)	2	2	2	2
Contrast Ratio	5,000 : 1	5,000 : 1	1,000 : 1	1,000 : 1
Response Time	8ms	8ms	5ms	5ms
Brightness	500cd/m^2	500cd/m^2	300cd/m^2	250cd/m^2
Tempered Glass Screen	Yes	Yes	Yes	Yes
Picture In Picture	Yes	Yes	Yes	Yes
Built-in Speakers	Yes	Yes	Yes	Yes
Stand	General (Optinal)	General (Optinal)	General	General
Sync Format	NTSC : 3.5 / PAL : 4.43	NTSC : 3.5 / PAL : 4.43	NTSC : 3.5 / PAL : 4.43	NTSC : 3.5 / PAL : 4.43
Power	100 ~ 240V AC	100 ~ 240V AC	100 ~ 240V AC	100 ~ 240V AC

	LED Monitor		
	SMT-1930	SMT-1934	SMT-1914
			
Screen Size	18.5"	19"	19"
Resolution (pixels HxV)	1,366 x 768	1,280 x 1,024	1,280 x 1,024
Composite Video Resolution	600TV lines	600TV lines	N/A
Video In/Out	2 / 2	1	N/A
RGB In	1	1	1
DVI / HDMI	0 / 1	0 / 1	N/A
Audio In (Stereo)	2	2	N/A
Contrast Ratio	1,000 : 1	1,000 : 1	1,000 : 1
Response Time	5ms	5ms	5ms
Brightness	250cd/m^2	250cd/m^2	250cd/m^2
Tempered Glass Screen	Yes	Yes	Yes
Picture In Picture	Yes	Yes	Yes
Built-in Speakers	Yes	Yes	N/A
Stand	General	General	General
Sync Format	NTSC : 3.5 / PAL : 4.43	NTSC : 3.5 / PAL : 4.43	NTSC : 3.5 / PAL : 4.43
Power	100 ~ 240V AC	100 ~ 240V AC	100 ~ 240V AC

SMT-4030

40" LED Monitor



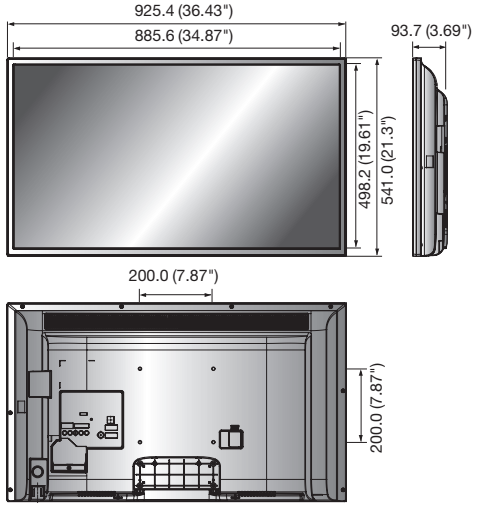


Key Features

- Support up to 1,920 x 1,080 resolution
- High contrast ratio 5,000 : 1
- Fast response time 8ms
- Excellent picture quality with LED back light
- Video output : HDMI, VGA, Composite

Dimensions

Unit : mm (inch)

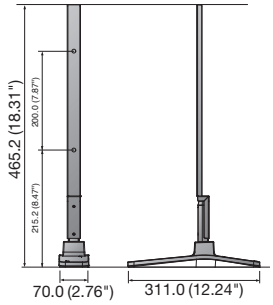


Technical Specifications

		SMT-4030
DISPLAY		
Type		LED
Screen Size		40"
Max. Resolution		1,920 x 1,080
Brightness		500cd/m²
Contrast Ratio		5,000 : 1
Aspect Ratio		16 : 9
Viewing Angle (H/V)		178° / 178°
Display Color		16.7million
Response Time		8ms (G to G)
Video System		NTSC / PAL
Panel Life		50,000hours
Filter Type		3D combfilter
INTERFACE		
Video	Connector	CVBS, HDMI x 2, Component (D-sub 15pin)
RGB / DVI	Connector	Analogue D-sub, DVI-D, Display port
	Input Signal	0.7Vp-p ±5%
	Available Format	640 x 350@70Hz, 720 x 400@70Hz 640 x 480@60Hz/72Hz/75Hz (VGA) 800 x 600@56Hz/60Hz/72Hz/75Hz (SVGA) 1,024 x 768@60Hz/70Hz/75Hz (XGA) 1,152 x 864@75Hz, 1,152 x 870@75Hz 1,280 x 960@60Hz, 1,280 x 1,024@60Hz/75Hz (SXGA) 1,360 x 768@60Hz, 1,600 x 1,200@60Hz 1,920 x 1,080@60Hz
HDMI	Connector	HDMI 1, HDMI 2
	Available Format	640 x 480p@60Hz, 720 x 480i@60Hz, 720 x 480p@60Hz 720 x 576i@50Hz, 720 x 576p@50Hz, 1,280 x 720p@50Hz/60Hz 1,920 x 1,080i@50Hz/60Hz, 1,920 x 1,080p@50Hz/60Hz
Audio	Connector	RCA (L/R), Stereo mini jack
	Output Signal	Loop-through line level (PC only), Speakers : 2 x 5W
Application Support		Remote controller
ON SCREEN DISPLAY		
Functions		VESA™ DPM compatible
Language		English, Spanish, French, German, Italian, Russian, Swedish, Turkish, Taiwanese, Chinese, Japanese, Korean
GENERAL		
Electrical	Input Voltage	100 ~ 240V AC (50/60Hz)
	Power Consumption	Type 108W
Environmental	Operating Temperature	0 ~ +40°C (+32°F ~ +104°F)
	Operating Humidity	10% ~ 80% (Non-condensing)
Mechanical	Dimensions with Stand (WxHxD)	925.4 x 611.0 x 311.0mm (36.43" x 24.06" x 12.24")
	Dimensions without Stand (WxHxD)	925.4 x 541.0 x 93.7mm (36.43" x 21.3" x 3.69")
	Bezel Size	17.5mm (0.69")
	Weight	9.3Kg (20.5 lb)
	Cabinet Color	Black
	Rack Mounts	Optional
	VESA Mounts Interface	200 x 200mm
Accessory		SBM-320ST

* The latest product information / specification can be found at www.samsungsecurity.com

Optional Accessory





Foot Stand SBM-320ST

SMT-3230

32" LED Monitor



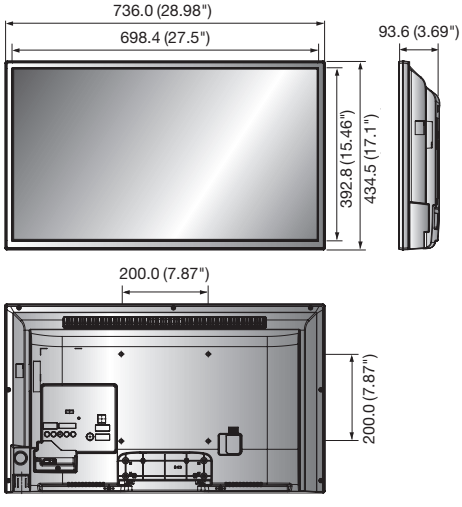
32" | Full HD 1080p | 5000:1 High Contrast Ratio | 1920x1080 Resolution | 8ms Response Time | Built-in Speakers

Key Features

- Support up to 1,920 x 1,080 resolution
- High contrast ratio 5,000 : 1
- Fast response time 8ms
- Excellent picture quality with LED back light
- Video output : HDMI, VGA, Composite

Dimensions

Unit : mm (inch)

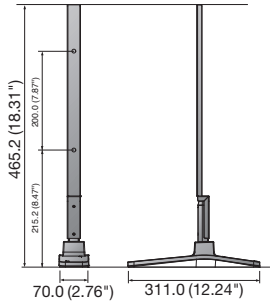


Technical Specifications

		SMT-3230
DISPLAY		
Type		LED
Screen Size		32"
Max. Resolution		1,920 x 1,080
Brightness		500cd/m²
Contrast Ratio		5,000 : 1
Aspect Ratio		16 : 9
Viewing Angle (H/V)		178° / 178°
Display Color		16.7million
Response Time		8ms (G to G)
Video System		NTSC / PAL
Panel Life		50,000hours
Filter Type		3D combfilter
INTERFACE		
Video	Connector	CVBS, HDMI x 2, Component (D-sub 15pin)
RGB / DVI	Connector	Analogue D-sub, DVI-D, Display port
	Input Signal	0.7Vp-p ±5%
	Available Format	640 x 350@70Hz, 720 x 400@70Hz 640 x 480@60Hz/72Hz/75Hz (VGA) 800 x 600@56Hz/60Hz/72Hz/75Hz (SVGA) 1,024 x 768@60Hz/70Hz/75Hz (XGA) 1,152 x 864@75Hz, 1,152 x 870@75Hz 1,280 x 960@60Hz, 1,280 x 1,024@60Hz/75Hz (SXGA) 1,360 x 768@60Hz, 1,600 x 1,200@60Hz 1,920 x 1,080@60Hz
HDMI	Connector	HDMI 1, HDMI 2
	Available Format	640 x 480p@60Hz, 720 x 480i@60Hz, 720 x 480p@60Hz 720 x 576i@50Hz, 720 x 576p@50Hz, 1,280 x 720p@50Hz/60Hz 1,920 x 1,080i@50Hz/60Hz, 1,920 x 1,080p@50Hz/60Hz
Audio	Connector	RCA (L/R), Stereo mini jack
	Output Signal	Loop-through line level (PC only), Speakers : 2 x 5W
Application Support		Remote controller
ON SCREEN DISPLAY		
Functions		VESA™ DPM compatible
Language		English, Spanish, French, German, Italian, Russian, Swedish, Turkish, Taiwanese, Chinese, Japanese, Korean
GENERAL		
Electrical	Input Voltage	100 ~ 240V AC (50/60Hz)
	Power Consumption	Type 85W
Environmental	Operating Temperature	0 ~ +40°C (+32°F ~ +104°F)
	Operating Humidity	10% ~ 80% (Non-condensing)
Mechanical	Dimensions with Stand (WxHxD)	736.0 x 504.5 x 311.0mm (23.98" x 19.86" x 12.24")
	Dimensions without Stand (WxHxD)	736.0 x 434.5 x 93.6mm (23.98" x 17.1" x 3.69")
	Bezel Size	16.5mm (0.65")
	Weight	6.3Kg (13.89 lb)
	Cabinet Color	Black
	Rack Mounts	Optional
	VESA Mounts Interface	200 x 200mm
Accessory		SBM-320ST

* The latest product information / specification can be found at www.samsungsecurity.com

Optional Accessory





Foot Stand SBM-320ST

SMT-2730

27" LED Monitor



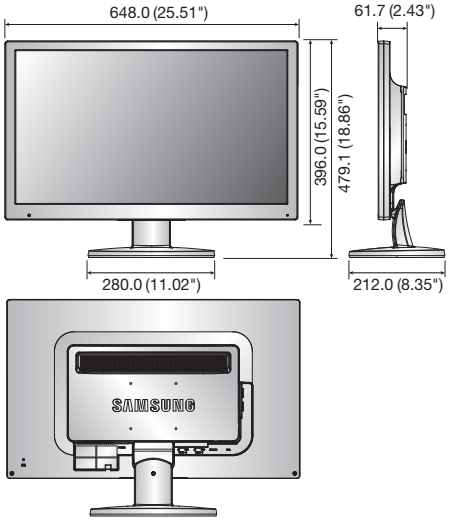
27" | Full HD 1080p | 1000:1 High Contrast Ratio | 1920x1080 Resolution | 8ms Response Time | Built-in Speakers

Key Features

- Support up to 1,920 x 1,080 resolution
- Contrast ratio 1,000 : 1
- Fast response time 8ms
- Excellent picture quality with LED back light
- Video output : HDMI, VGA, Composite

Dimensions

Unit : mm (inch)



Technical Specifications

		SMT-2730
DISPLAY		
Type		LED
Screen Size		27"
Max. Resolution		1,920 x 1,080
Brightness		300cd/m²
Contrast Ratio		1,000 : 1
Aspect Ratio		16 : 9
Viewing Angle (H/V)		170° / 160°
Display Color		16.7million
Response Time		8ms (G to G)
Video System		NTSC / PAL
Panel Life		50,000hours
Filter Type		3D combfilter
INTERFACE		
Video	Connector	CVBS, HDMI x 2, Component (D-sub 15pin)
RGB / DVI	Connector	Analogue D-sub, DVI-D, Display port
	Input Signal	0.7Vp-p ±5%
	Available Format	640 x 350@70Hz 720 x 400@70Hz 640 x 480@60Hz/72Hz/75Hz (VGA) 800 x 600@56Hz/60Hz/72Hz/75Hz (SVGA) 1,024 x 768@60Hz/70Hz/75Hz (XGA) 1,152 x 864@75Hz 1,152 x 870@75Hz 1,280 x 960@60Hz 1,280 x 1,024@60Hz/75Hz (SXGA) 1,360 x 768@60Hz 1,600 x 1,200@60Hz 1,920 x 1,080@60Hz
HDMI	Connector	HDMI 1, HDMI 2
	Available Format	640 x 480p@60Hz 720 x 480i@60Hz 720 x 480p@60Hz 720 x 576i@50Hz 720 x 576p@50Hz 1,280 x 720p@50Hz/60Hz 1,920 x 1,080i@50Hz/60Hz 1,920 x 1,080p@50Hz/60Hz
Audio	Connector	RCA (L/R), Stereo mini jack
	Output Signal	Loop-through line level (PC only), Speakers : 2 x 5W
Application Support		Remote controller
ON SCREEN DISPLAY		
Functions		VESA™ DPM compatible
Language		English, Spanish, French, German, Italian, Portuguese, Russian, Swedish, Turkish, Taiwanese, Chinese, Japanese, Korean
GENERAL		
Electrical	Input Voltage	100 ~ 240V AC (50/60Hz)
	Power Consumption	Type 32W
Environmental	Operating Temperature	0 ~ +40°C (+32°F ~ +104°F)
	Operating Humidity	0% ~ 90% (Non-condensing)
Mechanical	Dimensions with Stand (WxHxD)	648.0 x 479.1 x 212.0mm (25.51" x 18.86" x 8.35")
	Dimensions without Stand (WxHxD)	648.0 x 396.0 x 61.7mm (25.51" x 15.59" x 2.43")
	Bezel Size	24.3mm (0.96")
	Weight	7.3Kg (16.09lb)
	Cabinet Color	Black
	Rack Mounts	Optional
	VESA Mounts Interface	400 x 600mm

* The latest product information / specification can be found at www.samsungsecurity.com

SMT-2232

21.5" Wide LED Monitor



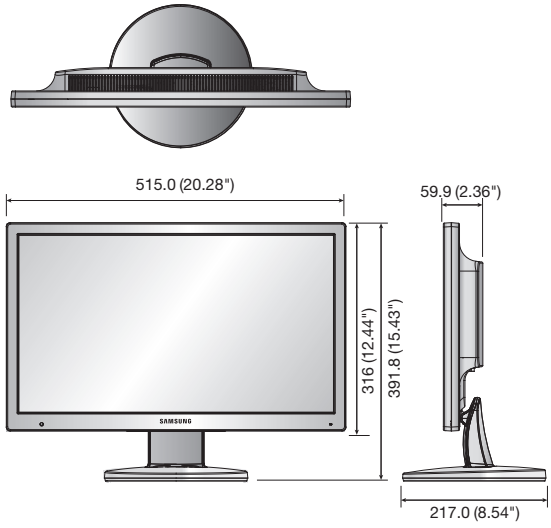


Key Features

- Support up to 1,920 x 1,080 resolution
- High contrast ratio 1,000 : 1
- Fast response time 5ms
- 120Hz motion technology

Dimensions

Unit : mm (inch)



Technical Specifications

		SMT-2232
DISPLAY		
Type		LED
Screen Size		21.5"
Max. Resolution	VGA (D-sub)	1,920 x 1,080
	BNC (CVBS)	600TV lines
Brightness		250cd/m²
Contrast Ratio		1,000 : 1
Aspect Ratio		16 : 9
Viewing Angle (H/V)		170° / 160°
Display Color		16.7million
Response Time		5ms
Video System		NTSC / PAL
Panel Life		30,000hours
Filter Type		3D combfilter
INTERFACE		
Video	Connector	BNC types (2 in / 2 out)
RGB / DVI	Connector	1 Analogue RGB 15-pin D-sub
	Input Signal	0.7Vp-p ±5%
	Available Format	720 x 400@70Hz 640 x 480@60Hz/72Hz/75Hz (VGA) 800 x 600@56Hz/60Hz/72Hz/75Hz (SVGA) 1,024 x 768@60Hz/70Hz/75Hz (XGA) 1,152 x 864@75Hz 1,280 x 960@60Hz 1,280 x 1,024@60Hz/75Hz (SXGA) 1,280 x 720@60Hz 1,600 x 1,200@60Hz/70Hz 1,920 x 1,080@50Hz/60Hz
HDMI	Connector	1 HDMI input (Type A connector)
	Available Format	640 x 480p@60Hz, 720 x 480i@60Hz, 720 x 480p@60Hz 720 x 576i@50Hz, 720 x 576p@50Hz, 1,280 x 720p@50Hz/60Hz 1,920 x 1,080i@50Hz/60Hz, 1,920 x 1,080p@50Hz/60Hz
Audio	Connector	2 RCA type (2 Stereo inputs)
	Output Signal	Speakers : 2 x 1W
Application Support		Remote controller
ON SCREEN DISPLAY		
Functions		VESA™ DPM compatible
Language		English, Spanish, French, German, Italian, Portuguese, Russian Swedish, Turkish, Taiwanese, Chinese, Japanese, Korean
GENERAL		
Electrical	Input Voltage	100 ~ 240V AC (50/60Hz)
	Power Consumption	Type 35W
Environmental	Operating Temperature	0 ~ +40°C (+32°F ~ +104°F)
	Operating Humidity	20% ~ 90% (Non-condensing)
Mechanical	Dimensions with Stand (WxHxD)	515.0 x 391.8 x 217.0mm (20.28" x 15.43" x 8.54")
	Dimensions without Stand (WxHxD)	515.0 x 316.0 x 59.9mm (20.28" x 12.44" x 2.36")
	Weight	5Kg (11.02 lb)
	LCD Protection Glass	Yes
	Cabinet Color	Black
	Rack Mounts	Optional
	VESA Mounts Interface	100 x 100mm

* The latest product information / specification can be found at www.samsungsecurity.com

SMT-1930

18.5" Wide LED Monitor



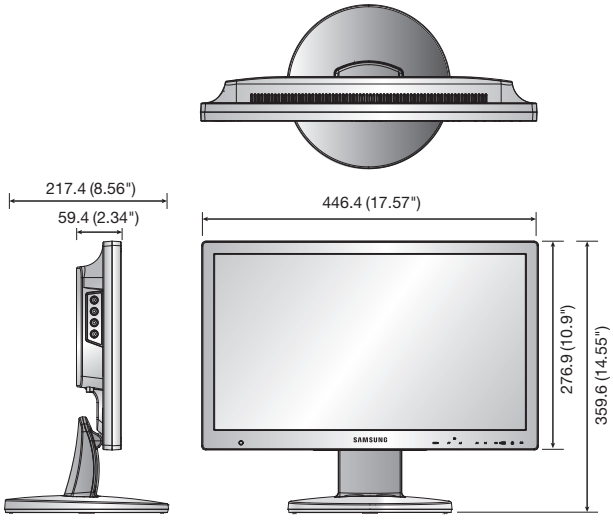
18.5" | 1000:1 High Contrast Ratio | 1366x768 Resolution | 5ms Response Time | Built-in Speakers

Key Features

- Support up to 1,366 x 768 resolution
- High contrast ratio 1,000 : 1
- Fast response time 5ms
- 120Hz motion technology

Dimensions

Unit : mm (inch)



Technical Specifications

		SMT-1930
DISPLAY		
Type		LED
Screen Size		18.5"
Max. Resolution	VGA (D-sub)	1,366 x 768
	BNC (CVBS)	600TV lines
Brightness		250cd/m²
Contrast Ratio		1,000 : 1
Aspect Ratio		16 : 9
Viewing Angle (H/V)		170° / 160°
Display Color		16.7million
Response Time		5ms
Video System		NTSC / PAL
Panel Life		50,000hours
Filter Type		3D combfilter
INTERFACE		
Video	Connector	BNC types (2 in / 2 out)
RGB / DVI	Connector	1 Analogue RGB 15-pin D-sub
	Input Signal	0.7Vp-p ±5%
	Available Format	640 x 350@70Hz 640 x 480@60Hz/67Hz/72Hz/75Hz 720 x 400@70Hz 720 x 576@60Hz 800 x 600@60Hz/72Hz/75Hz 832 x 624@75Hz 1,024 x 768@60Hz/70Hz/75Hz 1,280 x 720@60Hz/70Hz/75Hz 1,360 x 768@60Hz
HDMI	Connector	1 HDMI input (Type A connector)
	Available Format	640 x 480p@60Hz, 720 x 480i@60Hz 720 x 480p@60Hz, 720 x 576i@50Hz 720 x 576p@50Hz, 1,280 x 720p@50Hz/60Hz
Audio	Connector	2 RCA type (2 Stereo inputs)
	Output Signal	Speakers : 2 x 1W
Application Support		Remote controller
ON SCREEN DISPLAY		
Functions		VESA™ DPM compatible
Language		English, Spanish, French, German, Italian, Portuguese, Russian, Dutch, Danish, Swedish, Turkish, Chinese, Japanese, Thai, Korean, Arabic
GENERAL		
Electrical	Input Voltage	100 ~ 240V AC (50/60Hz)
	Power Consumption	Type 30W
Environmental	Operating Temperature	0 ~ +40°C (+32°F ~ +104°F)
	Operating Humidity	20% ~ 90% (Non-condensing)
Mechanical	Dimensions with Stand (WxHxD)	446.4 x 359.6 x 217.4mm (17.57" x 14.55" x 8.56")
	Dimensions without Stand (WxHxD)	446.4 x 276.9 x 59.4mm (17.57" x 10.9" x 2.34")
	Weight	4.7Kg (10.36 lb)
	LCD Protection Glass	Yes
	Cabinet Color	Black
	Rack Mounts	Optional
	VESA Mounts Interface	100 x 100mm

* The latest product information / specification can be found at www.samsungsecurity.com

SMT-1934

19" LED Monitor



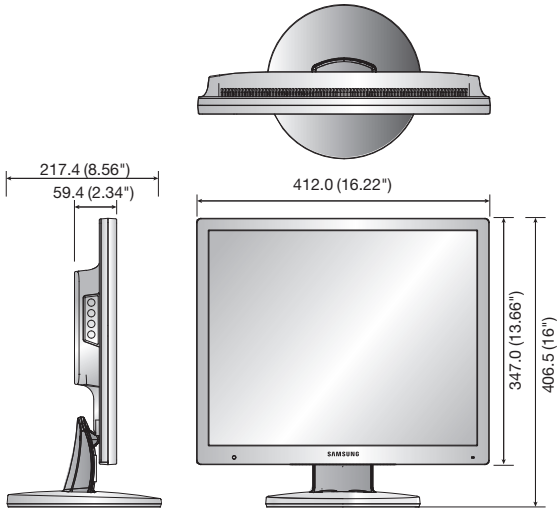


Key Features

- Support up to 1,280 x 1,024 resolution
- High contrast ratio 1,000 : 1
- Fast response time 5ms
- Video output : HDMI, VGA, Composite

Dimensions

Unit : mm (inch)



Technical Specifications

		SMT-1934
DISPLAY		
Type		LED
Screen Size		19"
Max. Resolution	VGA (D-sub)	1,280 x 1,024
	BNC (CVBS)	600TV lines
Brightness		250cd/m²
Contrast Ratio		1,000 : 1
Aspect Ratio		4 : 3
Viewing Angle (H/V)		170° / 160°
Display Color		16.7million
Response Time		5ms
Video System		NTSC / PAL
Panel Life		30,000hours
Filter Type		3D combfilter
INTERFACE		
Video	Connector	BNC types (2 in / 2 out)
RGB / DVI	Connector	1 Analogue RGB 15-pin D-sub
	Input Signal	0.7Vp-p ±5%
	Available Format	720 x 400@70Hz 640 x 480@60Hz/72Hz/75Hz (VGA) 800 x 600@56Hz/60Hz/72Hz/75Hz (SVGA) 1,024 x 768@60Hz/70Hz/75Hz (XGA) 1,152 x 864@75Hz 1,280 x 720@60Hz 1,280 x 960@60Hz 1,280 x 1,024@60Hz/75Hz (SXGA)
HDMI	Connector	1 HDMI input (Type A connector)
	Available Format	640 x 480p@60Hz, 720 x 480i@60Hz 720 x 480p@60Hz, 720 x 576i@50Hz 720 x 576p@50Hz, 1,280 x 720p@50Hz/60Hz
Audio	Connector	2 RCA type (2 Stereo inputs)
	Output Signal	Speakers : 2 x 1W
Application Support		Remote controller
ON SCREEN DISPLAY		
Functions		VESA™ DPM compatible
Language		English, Spanish, French, German, Italian, Portuguese, Russian Swedish, Turkish, Taiwanese, Chinese, Japanese, Korean
GENERAL		
Electrical	Input Voltage	100 ~ 240V AC (50/60Hz)
	Power Consumption	Type 35W
Environmental	Operating Temperature	0 ~ +40°C (+32°F ~ +104°F)
	Operating Humidity	20% ~ 90% (Non-condensing)
Mechanical	Dimensions with Stand (WxHxD)	412.0 x 406.5 x 217.4mm (16.22" x 16" x 8.56")
	Dimensions without Stand (WxHxD)	412.0 x 347.0 x 59.4mm (16.22" x 13.66" x 2.34")
	Weight	5Kg (11.02 lb)
	LCD Protection Glass	Yes
	Cabinet Color	Black
	Rack Mounts	Optional
	VESA Mounts Interface	100 x 100mm

* The latest product information / specification can be found at www.samsungsecurity.com

SMT-1914

19" LED Monitor



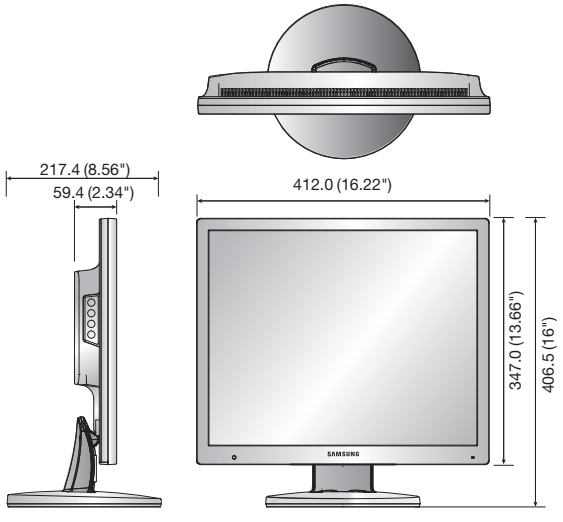
19" | 1000:1 High Contrast Ratio | 1280x1024 Resolution | 5ms Response Time | Built-in Speakers

Key Features

- Support up to 1,280 x 1,024 resolution
- High contrast ratio 1,000 : 1
- Fast response time 5ms
- Video output : VGA

Dimensions

Unit : mm (inch)



Technical Specifications

		SMT-1914
DISPLAY		
Type		LED
Screen Size		19"
Max. Resolution		1,280 x 1,024
Brightness		250cd/m²
Contrast Ratio		1,000 : 1
Aspect Ratio		4 : 3
Viewing Angle (H/V)		170° / 160°
Display Color		16.7million
Response Time		5ms
Panel Life		30,000hours
INTERFACE		
RGB / DVI	Connector	1 Analogue RGB 15-pin D-sub
	Input Signal	0.7Vp-p ±5%
	Available Format	720 x 400@70Hz 640 x 480@60Hz/72Hz/75Hz (VGA) 800 x 600@56Hz/60Hz/72Hz/75Hz (SVGA) 1,024 x 768@60Hz/70Hz/75Hz (XGA) 1,152 x 864@75Hz 1,280 x 720@60Hz 1,280 x 960@60Hz 1,280 x 1,024@60Hz/75Hz (SXGA)
ON SCREEN DISPLAY		
Functions		VESA™ DPM compatible
Language		English, Spanish, French, German, Italian, Portuguese, Russian Swedish, Turkish, Taiwanese, Chinese, Japanese, Korean
GENERAL		
Electrical	Input Voltage	100 ~ 240V AC (50/60Hz)
	Power Consumption	Type 35W
Environmental	Operating Temperature	0 ~ +40°C (+32°F ~ +104°F)
	Operating Humidity	20% ~ 90% (Non-condensing)
Mechanical	Dimensions with Stand (WxHxD)	412.0 x 406.5 x 217.4mm (16.22" x 16" x 8.56")
	Dimensions without Stand (WxHxD)	412.0 x 347.0 x 59.4mm (16.22" x 13.66" x 2.34")
	Weight	5Kg (11.02 lb)
	LCD Protection Glass	Yes
	Cabinet Color	Black
	Rack Mounts	Optional
	VESA Mounts Interface	100 x 100mm

* The latest product information / specification can be found at www.samsungsecurity.com

SAMSUNG TOTAL SECURITY SOLUTIONS



CONTROLLER

SPC-6000

System Control Keyboard



Key Features

- 5" TFT touch LCD
- Control PTZ/Zoom cameras, DVR and matrix switchers
- Centralized control up to 255 units with a single controller
- Connect to a system up to 16 controllers
- Ergonomic design and easy-to-use keypad
- 3D joystick to control PTZ function
- Detachable joystick/jogshuttle for universal use (right/left hand use)
- Support for multi-protocol
- User friendly GUI

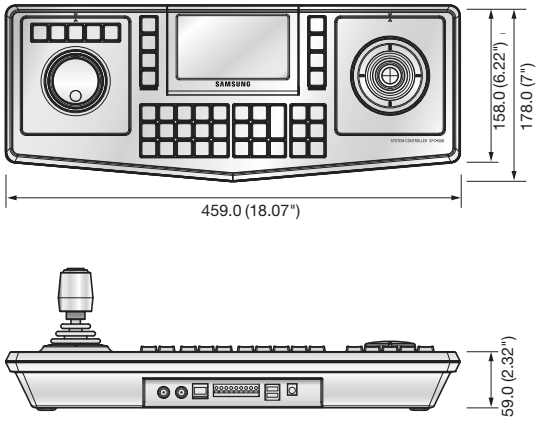
Technical Specifications

		SPC-6000
COMMUNICATION		
Interface		RS-485/422 (Operating distance 1km), TTL (Matrix)
Data Port		8-pin RJ-45 connector (Female) (RS-485 serial port) BNC (Video input, Loop through), USB 2.0 (F/W updatable)
Baud Rate		2,400 ~ 38,400bps
Control Euipment		PTZ/Zoom cameras / DVR / Matrix / Receiver
Protocol	PTZ Camera	Samsung-T/E, Pelco-D/P, Panasonic, Vicon, AD, Honeywell, ELMO, Bosch, GE
	Zoom Camera	SCZ series
	DVR	SRD / SVR / SHR series
	Matrix	SMX-25632
	Receiver	Samsung-T (SRX-100B)
OPERATIONAL		
LCD Display		5" TFT touch LCD
Joystick		3 Axis twist zoom
Jog Shuttle		DVR playback control
On Screen Display		English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese
ENVIRONMENTAL		
Operating Temperature		0°C ~ 40°C (+32°F ~ +104°F)
Operating Humidity		10 ~ 70% (Non-condensing)
ELECTRICAL		
Input Voltage / Current		12V DC / 4A
Power Consumption		Max. 4W
MECHANICAL		
Dimensions (WxHxD)		459.0 x 59.0 x 178.0mm (18.07" x 2.32" x 7")
Weight		1.5Kg (3.3 lb)

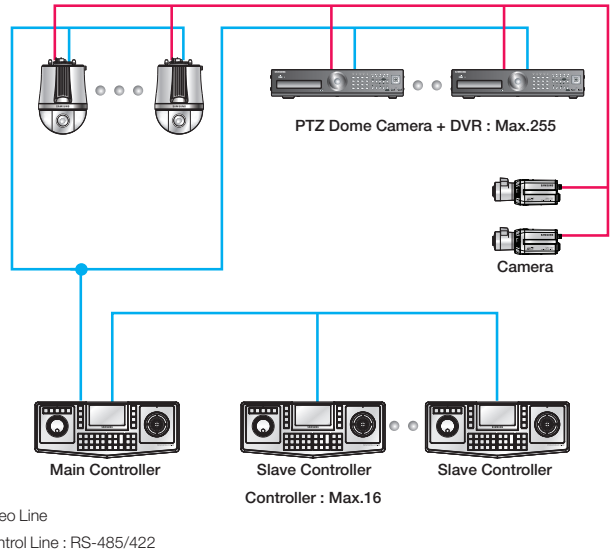
* The latest product information / specification can be found at www.samsungsecurity.com

Dimensions

Unit : mm (inch)



System Configuration



SPC-2010

PTZ / DVR System Controller



Key Features

- Controp up to 255 PTZ/Zoom cameras, DVR, and receiver
- Built-in 3 axis twist zoom joystick
- Built-in Jog shuttle
- 16 x 2 character LCD display
- RS-485 and RS-422 interface

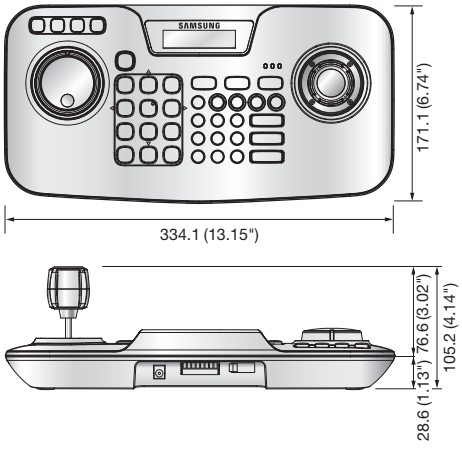
Technical Specifications

		SPC-2010
COMMUNICATION		
Interface		RS-485/422
Baud Rate		2,400 ~ 57,600bps
Control Euipment		PTZ/Zoom cameras / DVR / Receiver
Protocol	PTZ Camera	Samsung-T/E, Pelco-D/P, Panasonic, Vicon, AD, Honeywell, ELMO, Bosch, GE
	Zoom Camera	SCZ series
	DVR	SRD series (Except SRD-480D)
	Matrix	SMX-25632
	Receiver	Samsung-T (SRX-100B)
OPERATIONAL		
LCD Display		16 x 2 character LCD
Joystick		3 axis twist zoom
Jog Shuttle		DVR playback control
On Screen Display		English
ENVIRONMENTAL		
Operating Temperature		0°C ~ 40°C (+32°F ~ +104°F)
Operating Humidity		0 ~ 90%
ELECTRICAL		
Input Voltage / Current		12V DC
Power Consumption		Max. 1.1W
MECHANICAL		
Dimensions (WxHxD)		334.1 x 171.1 x 105.2mm (13.15"x 6.74" x 4.14")
Weight		800g (1.76 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

Dimensions

Unit : mm (inch)



SPC-1010

PTZ Control Keyboard

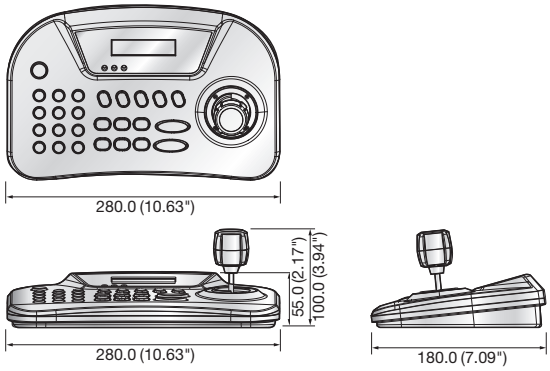


Key Features

- Control up to 255 PTZ/Zoom cameras, receiver
- Superior system compatibility : multi protocols support
- OSD menu, 3D joystick control
- RS-485 and RS-422 compatibility

Dimensions

Unit : mm (inch)

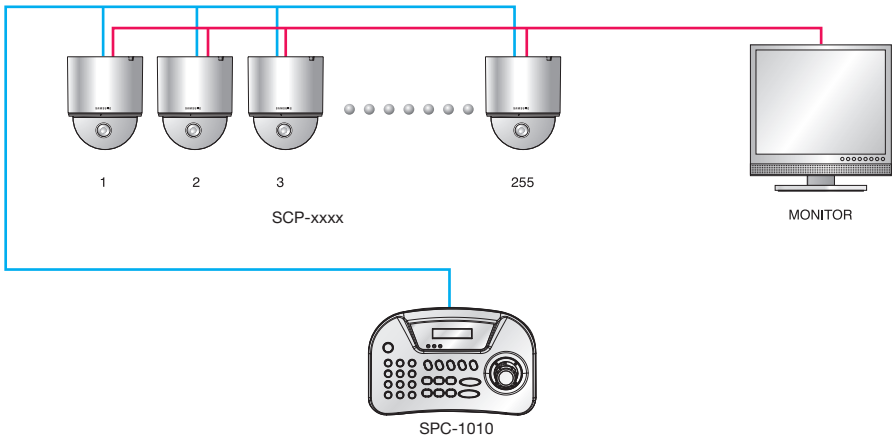


Technical Specifications

		SPC-1010
LCD Display		16 x 2 character LCD
Speed Control		Joystick (3-axis twist zoom)
Protocol	PTZ Camera	Samsung-T/E, Pelco-D/P, Panasonic, Vicon, AD, Honeywell
	Zoom Camera	SCZ series
	Receiver	Samsung-T (SRX-100B)
Control Capacity		Up to 255 Cameras (Suitable for Mid-, Large- size system)
Communications	Standards	RS-485/422 (Remote control : 1Km)
	Transfer Speed	2,400 ~ 57,600bps
Voltage		12V DC, 140mA, 9V DC battery
Operating Temperature		0°C ~ +45°C (+32°F ~ +113°F)
Operating Humidity		10% ~ 70%
Dimensions (WxHxD)		280.0 x 100.0 x 180.0mm (10.63" x 3.94" x 7.09")
Weight		Approx. 0.7Kg (1.54 lb) (Without adapter)

* The latest product information / specification can be found at www.samsungsecurity.com

System Configuration



SPC-300/200

Coaxial Remote Controller / Camera Zoom & OSD Controller



SPC-300



SPC-200

Key Features

SPC-300

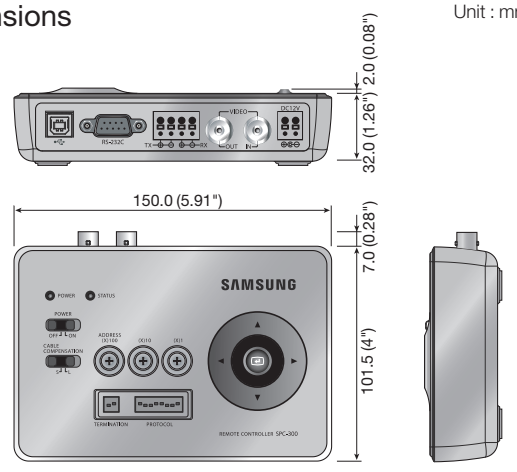
- Control via coaxial cable or RS-485
- Camera connected : 1 unit
- Cable extension : max. 500m (with 5C-2V cable)
- External control interface : RS-232C, RS-485
- Power input : 12V DC adaptor or 4AA battery

SPC-200

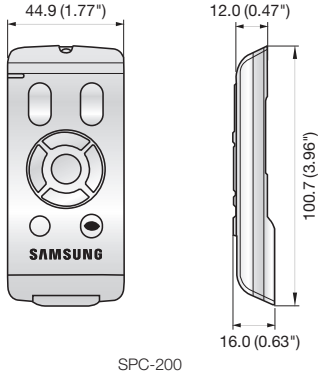
- Camera zoom in/out, OSD control
- RS-485 communication
- Zoom camera RJ-45 connector control

Dimensions

Unit : mm (inch)



SPC-300



SPC-200

Technical Specifications

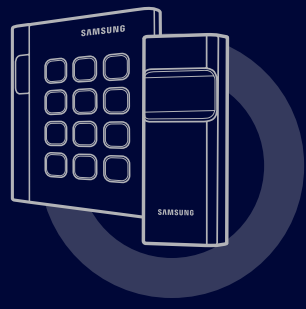
		SPC-300
Control		1 Coaxial cable, RS-485 (Multi-protocol) CCVC, Pelco-C
Signal	Input	Composite video
	Output	VBS 1.0Vp-p/75ohms
Cable	Extension	Max. 500m (With 5C-2V cable)
	Compensation	2 steps by a switch
External Control Interface		RS-232C, RS-485
Power		12V DC adaptor, 4AA battery
Dimensions (WxHxD)		150.0 x 34.0 x 101.5mm (5.91" x 1.34" x 4")
Weight		200g (0.44 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

	SPC-200
Control	RS-485
Cable Length	3m (9.84ft)
Power	Li-ion 3V 2ea, 6V DC
Operating Temperature	0°C ~ +50°C (+32°F ~ +122°F)
Dimensions (WxHxD)	44.9 x 100.7 x 16.0mm (1.77" x 3.96" x 0.63")
Weight	75g (0.17 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

SAMSUNG TOTAL SECURITY SOLUTIONS





ACCESS CONTROL SYSTEM

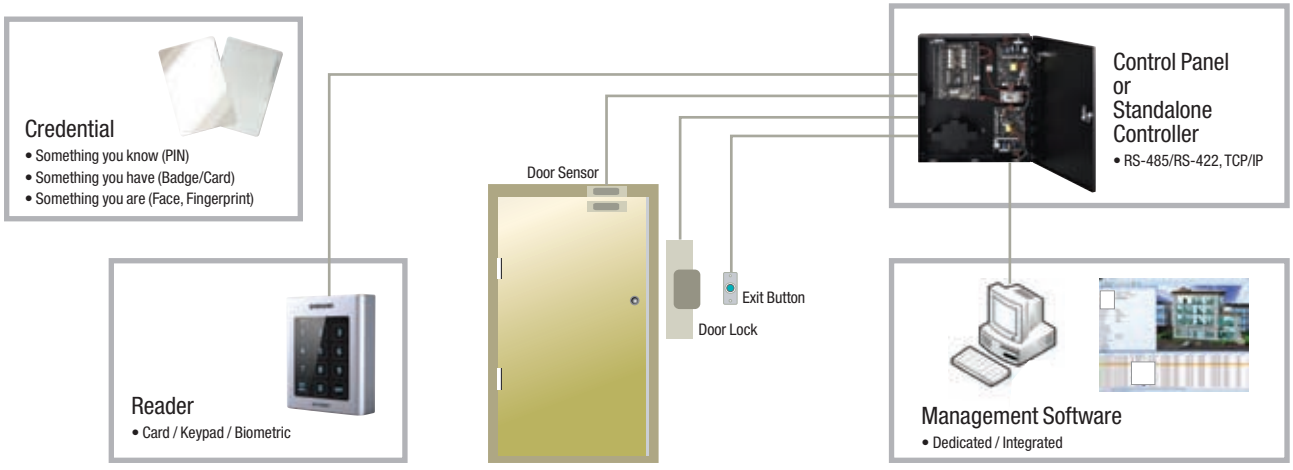
Access Control System Terms & Features

Access Control System

A system which enables an authority to control access to areas and resource in a given physical facility. In physical security, the term access control refers to the practice of restricting entrance to a property, building, or room to authorized personnel. An access control system determines who is allowed to enter or exit, where, when, and how they are allowed to enter or exit.

Access Control Product Types

An access control system includes the following product types : Control Panels, Standalone Controllers, Readers, Credentials, and Software.



Control Panel

Control panels, control physical access through doors and communicates with the management software (PC) through a TCP/IP or serial RS-485/422 communication line.

Standalone Controller

Standalone controllers are one door control panel which have built-in RFID, keypad, or biometric reader.

Reader

Readers, reads the credential information and send it to control panels via a Wiegand communication line. Readers can have one or more interfaces, accommodating a combination of RFID cards as well as a keypad and biometric reader.

Credential

A card or credential contain a pass code, number, or biometric information which identifies the user to the access control system.

Management Software

Access control software enables the user to program a customized database into the system. Cardholder access parameters can be set up, as well as enabling automatic door control and a number of customized features.

Access Control System Terms & Features

Proximity Card

Proximity cards, or “prox cards”, are read-only devices that are encoded once and are then used to transmit a fixed numeric value to a reader in the 125KHz frequency band, without the need to touch the reader.

Smart Card

Smart cards are contactless RF cards and tags operating in the 13.56MHz frequency band. 13.56MHz cards offer unique and secure ID codes and additional memory to traditional proximity cards.

MIFARE

MIFARE is the NXP-owned trademark of the reputedly most widely installed contactless smart card technology in the world. The MIFARE technology is based upon the ISO/IEC 14443 type A 13.56MHz contactless smart card standard.

Fingerprint Reader

A fingerprint reader identifies and compares unique patterns found on an individual’s fingertip with these patterns stored on a reader or standalone controller.



Vandal-Resistant Reader

Vandal-resistant products are designed to be installed in a location and application where they may be subject to vandalism or tampering, as in the case of a pedestrian crossing.



AWG (American Wire Gauge)

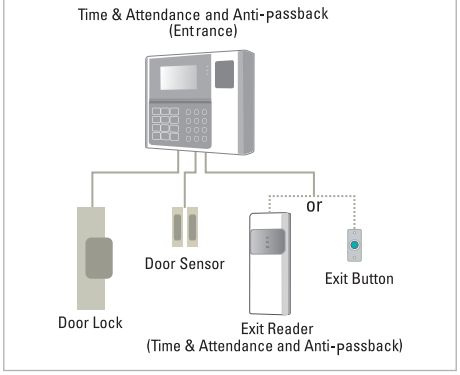
AWG is a standardized wire gauge system used in USA and other areas. In particular, with access control systems, the most widely used cable is between AWG 24 to AWG 26.

Access Control System Configuration

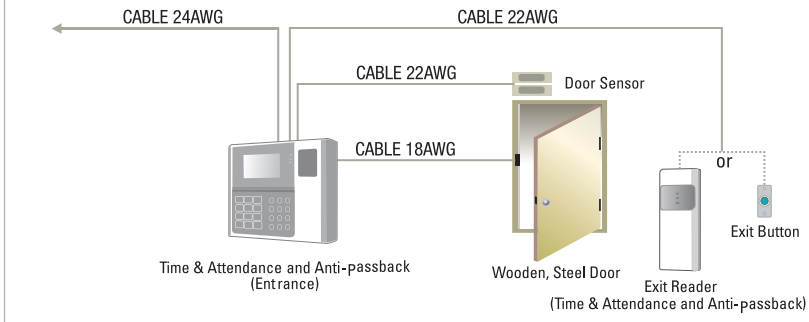
System with Standalone Controller

- Composed of standalone controllers with built-in reader
- Can be operated in network system

Standalone Configuration



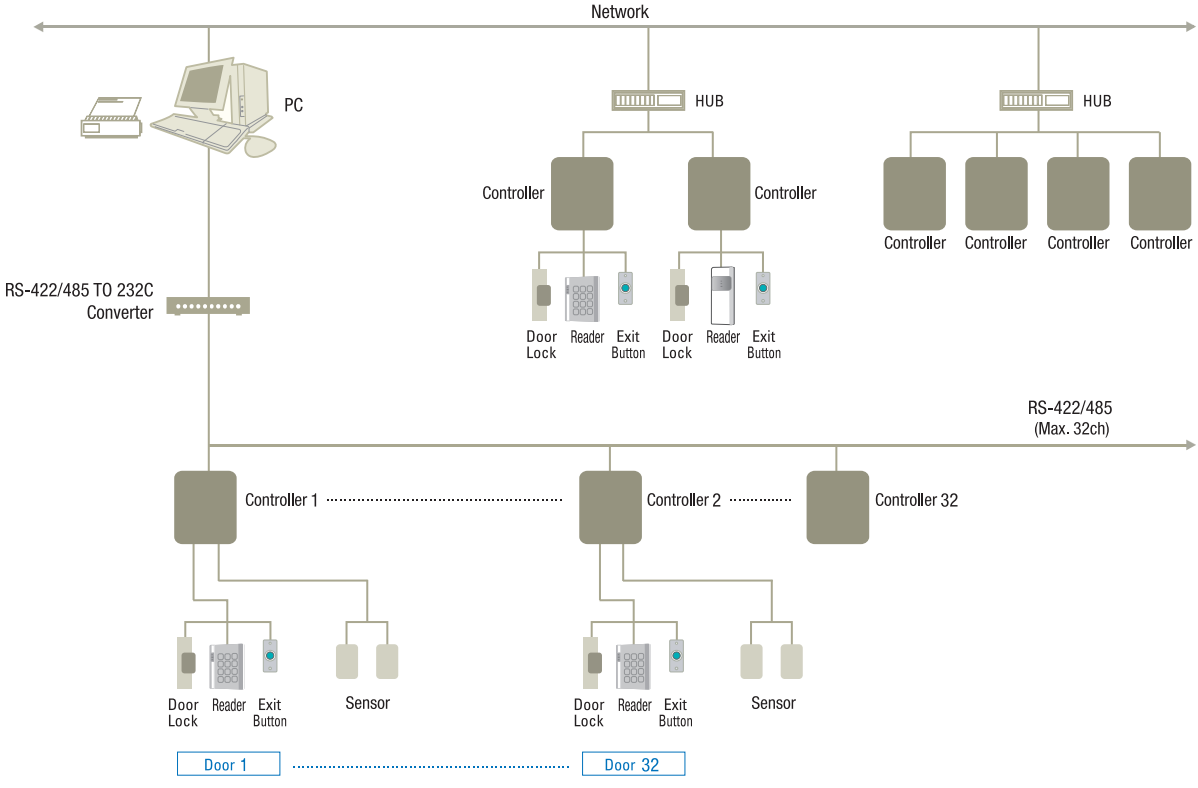
Standalone Configuration



Model

SSA-S30x0/S30x1	Fingerprint recognition, Proximity / Smart card, PIN
SSA-S2100/S2101	Proximity / Smart card, PIN

Network Configuration

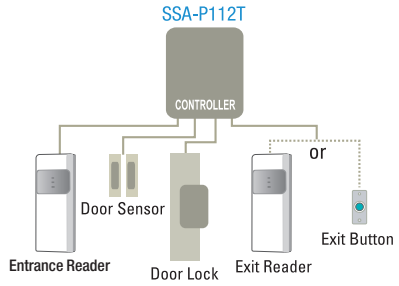


Access Control System Configuration

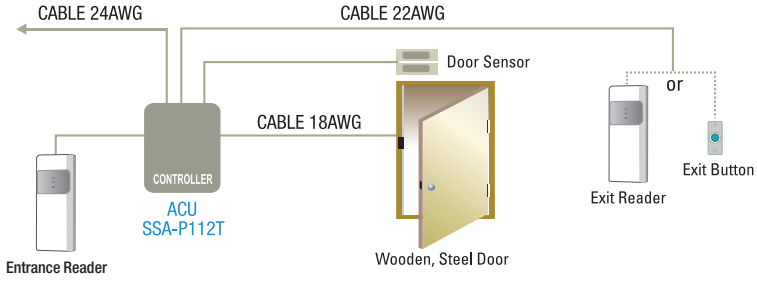
System with Control Panels and Readers

- Composed of control panel such as SSA-P112T and readers (Standalone / General selectable)
- Communication via RS-485/422 or TCP/IP
- SSA-P102T : A panel type controller. Excluding power case from SSA-P112T

Standalone Configuration



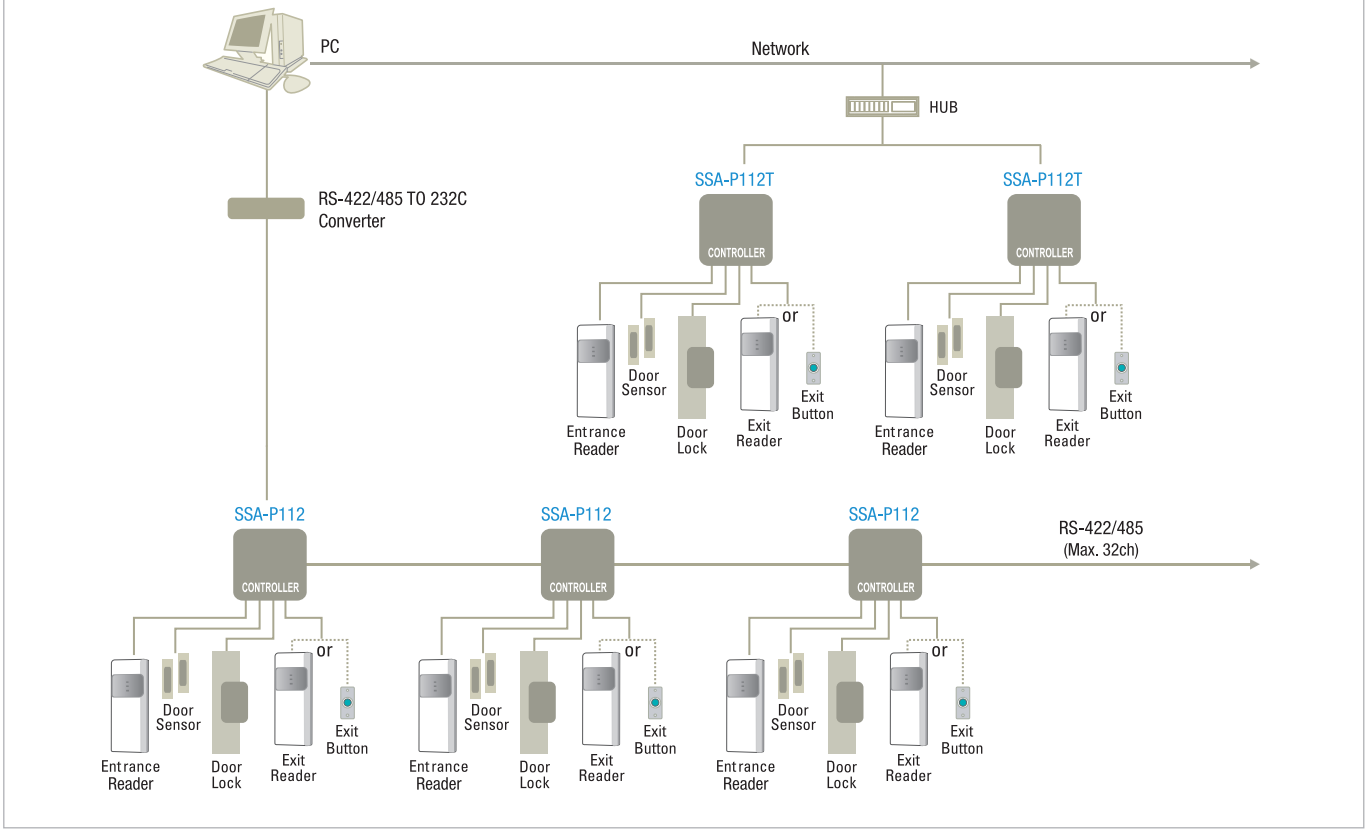
Standalone Configuration



Model

SSA-R20x0/R20x1	Fingerprint recognition, Proximity / Smart card
SSA-R2000/2001	Proximity / Smart card, PIN
SSA-R1100/1101	Proximity / Smart card
SSA-R1000/1001	Proximity / Smart card

Network Configuration

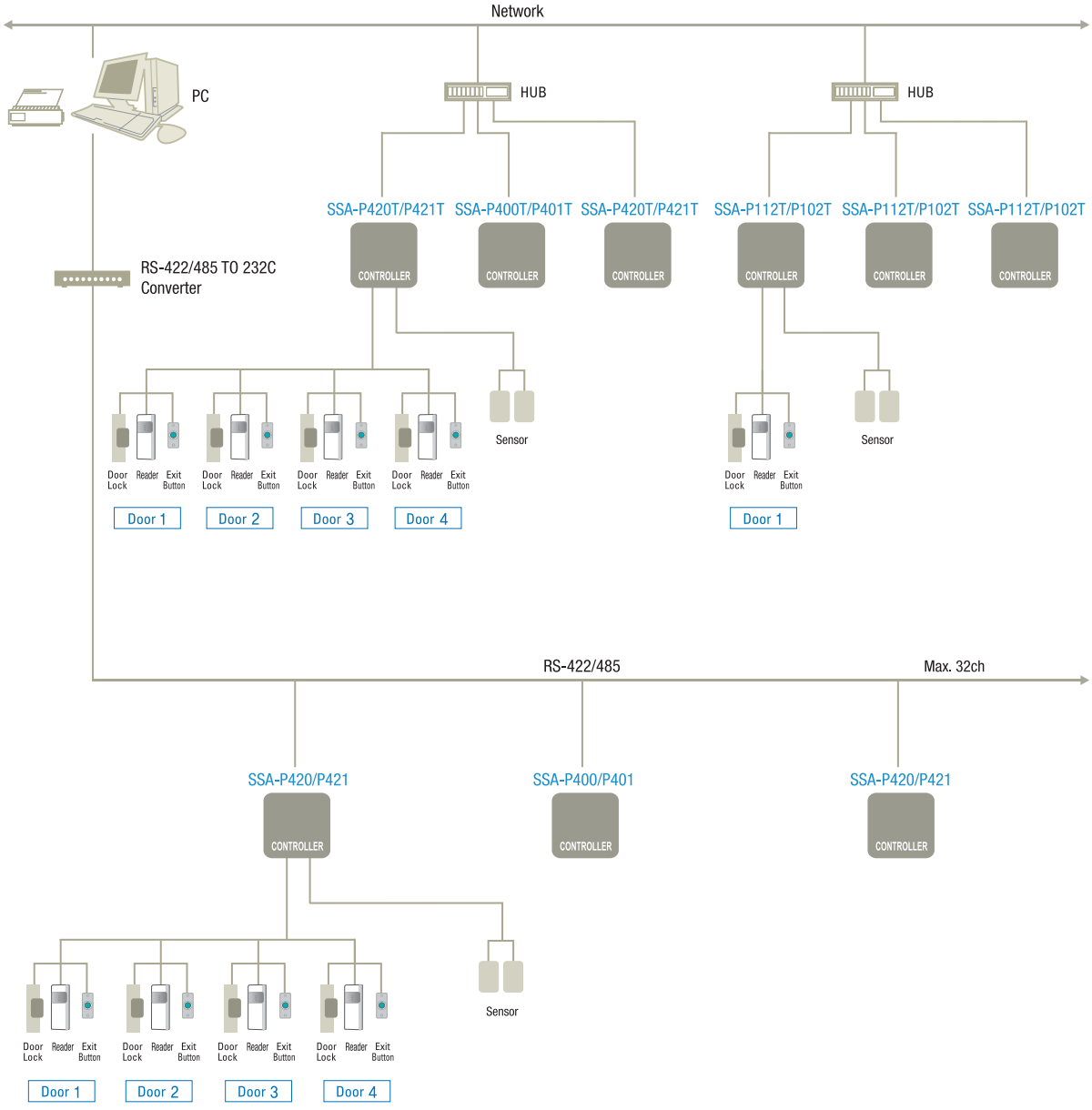


Access Control System Configuration

System with Control Panels and Readers

- Composed of control panel including SSA-P420(T)/P421(T)/P400(T)/P401(T) and SSA-P112(T)/P102(T)
  - SSA-P420(T)/P421(T) : Able to control 4 doors in connection with 4 readers.
    Can have input/output ports of 15ea
  - SSA-P400(T)/P401(T) : Excluding power case from SSA-P420(T)/P421(T)
  - SSA-P112(T) : Able to control single door in connection with 2 readers
  - SSA-P102(T) : Excluding power case from SSA-P112(T)
- Communication via RS-485/422 or TCP/IP
- Can use every reader type

Network Configuration



SSA-S3010/S3020/S3040/S3011/S3021/S3041

Fingerprint Recognition,
Proximity / Smart Card & Pin,
Time & Attendance Access Controller



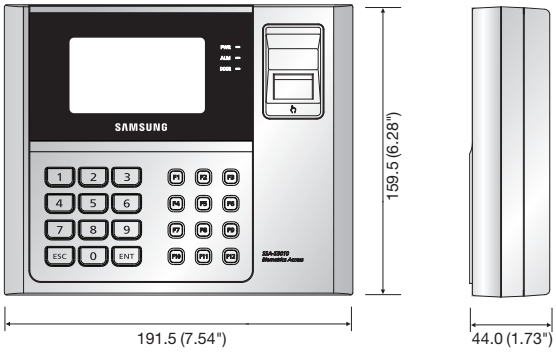


Key Features

- 125KHz proximity / 13.56MHz contact-less smart card, PIN and fingerprint recognition
- Dual function for access control and time & attendance
- 1 : 1 verification and 1 : N identification storable 2 fingerprint templates
- Fingerprint quality display
- 1,000 / 2,000 / 4,000 fingerprint users
- 10,000 / 20,000 ID users and 20,000 / 10,000 event buffers (selectable)
- 4 level door open time setting by individual ID
- Time schedules setting by individual ID, input port, output port and reader mode
- Network communication via RS-232, RS-485 and built-in TCP/IP
- 4 input, 4 output (2 relay output)
- 26bit / 34bit wiegand input / output
- User name display on LCD
- 2 men operation mode / duress alarm function
- Graphic LCD of multi languages display
- Cut off check for input devices

Dimensions

Unit : mm (inch)



Technical Specifications

	SSA-S3010/S3020/S3040	SSA-S3011/S3021/S3041
USER / EVENT BUFFERS		
Total ID Users	Up to 20,000 users	
Fingerprint Users	1,000 : SSA-S3010/S3011 / 2,000 : SSA-S3020/S3021 / 4,000 : SSA-S3040/S3041	
Event Buffers	Up to 20,000 event buffers	
AUTHENTICATION		
Method	RFID, PIN, Fingerprint	
Verification / Identification Time (Fingerprint)	Less than 1sec / Less than 2sec	
INPUT / OUTPUT		
Reader Port	1ea (26/34bit wiegand, 4/8bit burst for PIN for anti pass-back)	
Input Port	4ea (Exit button, Door sensor, Aux#1, Aux#2)	
Output Port	2ea (2 form-C relay output / 12V ~ 18V DC, Rating max. 2A) 1ea (TTL output / 5V DC, Rating max. 20mA) 1ea (26/34bit wiegand out data 0,1), 26bit wiegand : SSA-S3010/S3020/S3040 34bit wiegand : SSA-S3011/S3020/S3041	
LED Indicator	3 LED indicator (Red, Green, Yellow)	
Beeper	Piezo buzzer	
OPERATIONAL		
Frequency / Format	125KHz / Samsung	13.56MHz / MIFARE
On Screen Display	English, French, Spanish, Italian, Russian, Chinese, Korean	
Voice Out	English, French, Spanish, Italian, Russian, Chinese, Korean	
LCD	Graphic LCD (128 x 64dots), 72.5 x 39.5mm (2.85" x 1.56") view area	
Keypad	24key numeric keypad with back lighting (12 function key included)	
Communication	TCP/IP, RS-232, RS-422, RS-485 (Max. 32CH)	
ENVIRONMENTAL		
Operating Temperature	0°C ~ +50°C (+32°F ~ +122°F)	
Operating Humidity	Less than 90% RH	
ELECTRICAL		
Input Voltage / Current	12V DC / Max. 540mA	12V DC / Max. 560mA
Power Consumption	Max. 6.5W	Max. 6.8W
MECHANICAL		
Color / Material	Silver and black / Polycarbonate	
Dimensions (WxHxD)	191.5 x 159.5 x 44.0mm (7.54" x 6.28" x 1.73")	
Weight	760g (1.68 lb)	
FINGERPRINT MODULE SPECIFICATIONS		
Resolution	500dpi	
Capture Image Size	412 x 302pixels	
Extraction Image Size	260 x 300pixels	
Sensing Area	13 x 15.2mm	
Scanner	High quality optical sensor	
FAR	0.001%	
FRR	0.1%	
ESD	15KV	
Verification Time	Less than 1sec	
Identification Time	Less than 2sec	
TIME SCHEDULES		
Time Code	10	
Time Interval	5	
Holiday Code	10	
Holiday	100	

* The latest product information / specification can be found at www.samsungsecurity.com

SSA-S2100/S2101

Proximity / Smart Card & PIN, Time & Attendance Access Controller

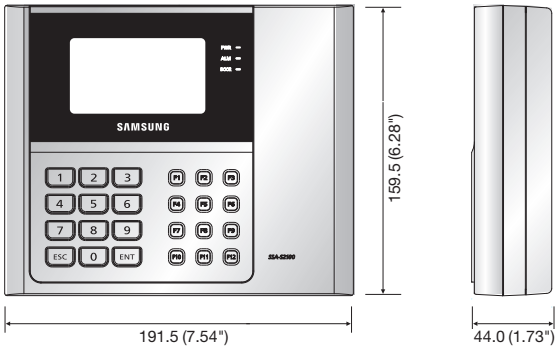


Key Features

- 125KHz proximity / 13.56MHz contact-less smart card reader and PIN
- Dual function for access control and time & attendance
- 10,000 / 20,000 ID users and 20,000 / 10,000 event buffers (selectable)
- 4 level door open time setting by individual ID
- Time schedules setting by individual ID, input port, output port and reader mode
- Network communication via RS-232, RS-485 and built-in TCP/IP
- 4 input, 4 output (2 relay output)
- 26bit / 34bit wiegand input / output
- User name display on LCD
- 2 men operation mode / duress alarm function
- Graphic LCD of multi languages display
- Cut off check for input devices

Dimensions

Unit : mm (inch)



Technical Specifications

	SSA-S2100	SSA-S2101
USER / EVENT BUFFERS		
Total ID Users	Up to 20,000 users	
Event Buffers	Up to 20,000 event buffers	
AUTHENTICATION		
Method	RFID, PIN	
INPUT / OUTPUT		
Reader Port	1ea (26/34bit wiegand, 4/8bit burst for PIN for anti pass-back)	
Input Port	4ea (Exit button, Door sensor, Aux#1, Aux#2)	
Output Port	2ea (2 form-C relay output / 12V ~ 18V DC, Rating max. 2A) 1ea (TTL output / 5V DC, Rating max. 20mA) 1ea (26/34bit wiegand out data 0,1), 26bit wiegand : SSA-S2100 34bit wiegand : SSA-S2101	
LED Indicator	3 LED indicator (Red, Green, Yellow)	
Beeper	Piezo buzzer	
OPERATIONAL		
Frequency / Format	125KHz / Samsung	13.56MHz / MIFARE
On Screen Display	English, French, Spanish, Italian, Russian, Chinese, Korean	
Voice Out	English, French, Spanish, Italian, Russian, Chinese, Korean	
LCD	Graphic LCD (128 x 64dots), 72.5 x 39.5mm (2.85" x 1.56") view area	
Keypad	24key numeric keypad with back lighting (12 function key included)	
Communication	TCP/IP, RS-232, RS-422, RS-485 (Max. 32CH)	
ENVIRONMENTAL		
Operating Temperature	0°C ~ +50°C (+32°F ~ +122°F)	
Operating Humidity	Less than 90% RH	
ELECTRICAL		
Input Voltage / Current	12V DC / Max. 420mA	
Power Consumption	Max. 5.0W	
MECHANICAL		
Color / Material	Silver and black / Polycarbonate	
Dimensions (WxHxD)	191.5 x 159.5 x 44.0mm (7.54" x 6.28" x 1.73")	
Weight	710g (1.57 lb)	
TIME SCHEDULES		
Time Code	10	
Time Interval	5	
Holiday Code	10	
Holiday	100	

* The latest product information / specification can be found at www.samsungsecurity.com

SSA-R2010/R2020/R2040/R2011/R2021/R2041

Fingerprint Recognition,
Proximity / Smart Card Reader



Key Features

- 125KHz proximity / 13.56MHz contact-less smart card and fingerprint recognition
- 1 : 1 verification and 1 : N identification storable 2 fingerprint templates
- 1,000 / 2,000 / 4,000 fingerprint users and 10,000 ID users
- Auto touch sensor for fingerprint only identification
- Operating mode selectable by individual ID (RF only / fingerprint only / RF + fingerprint)
- Network communication via RS-232, RS-485, TCP/IP
- Master card for user registration and deletion
- 26bit / 34bit wiegand output
- Tamper switch

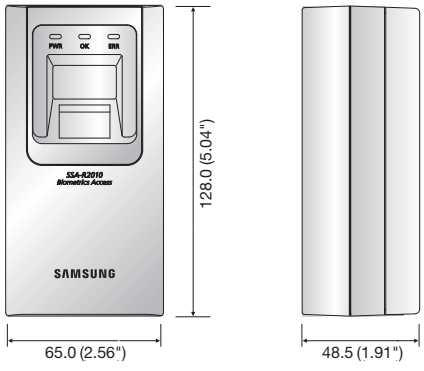
Technical Specifications

	SSA-R2010/R2020/R2040	SSA-R2011/R2021/R2041
USER / EVENT BUFFERS		
Fingerprint Users	1,000 : SSA-R2010/R2011 / 2,000 : SSA-R2020/R2021 / 4,000 : SSA-R2040/R2041	
AUTHENTICATION		
Method	RFID, Fingerprint	
Verification / Identification Time (Fingerprint)	Less than 1sec / Less than 2sec	
INPUT / OUTPUT		
Reader Port	1ea (26bit / 34bit wiegand)	
Input Port	3ea (External LED control, External buzzer control, Operating mode (RF/RF+ Finger) control)	
Output Port	2ea [Error- output, OK - output (Open collector output)]	
	26bit wiegand	34bit wiegand
LED Indicator	3 LED indicator (Red, Green, Yellow)	
Beeper	Piezo buzzer	
OPERATIONAL		
Frequency / Format	125KHz / Samsung	13.56MHz / MIFARE
Voice Out	English, French, Spanish, Italian, Russian, Chinese, Korean	
Communication	TCP/IP, RS-232, RS-485	
ENVIRONMENTAL		
Operating Temperature	0°C ~ +50°C (+32°F ~ +122°F)	
Operating Humidity	Less than 90% RH	
ELECTRICAL		
Input Voltage / Current	12V DC / Max. 290mA	12V DC / Max. 310mA
Power Consumption	Max. 3.5W	Max. 3.8W
MECHANICAL		
Color / Material	Silver and black / Polycarbonate	
Dimensions (WxHxD)	65.0 x 128.0 x 48.5mm (2.56" x 5.04" x 1.91")	
Weight	240g (0.53 lb)	
FINGERPRINT MODULE SPECIFICATIONS		
Resolution	500dpi	
Capture Image Size	412 x 302pixels	
Extraction Image Size	260 x 300pixels	
Sensing Area	13 x 15.2mm	
Scanner	High quality optical sensor	
FAR	0.001%	
FRR	0.1%	
ESD	15KV	
Verification Time	Less than 1sec	
Identification Time	Less than 2sec	

* The latest product information / specification can be found at www.samsungsecurity.com

Dimensions

Unit : mm (inch)



SSA-R2000/R2001/R2003/R2000V/R2001V

Proximity / Smart Card / EM & PIN Reader
Vandal-Resistant / Proximity / Smart Card / PIN Reader



SSA-R2000/R2001/R2003



SSA-R2000V/R2001V

Key Features

SSA-R2000/R2001/R2003

- 125KHz proximity / 13.56MHz contact-less smart card / EM and PIN reader
- 26bit wiegand, 4/8bit burst for PIN output format (selectable)
- 12 numeric keypads with back lighting
- External LED control
- External buzzer control
- Tamper switch
- Wall mount (US, EU, Asian gang box size)
- Reverse polarity protection
- Compatible controller
  : SSA-P420(T)/P421(T)/P112(T)/P400(T)/P401(T)/P102(T), standalone controller, third party controller

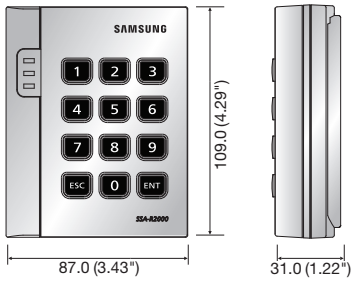
SSA-R2000V/R2001V

- 125KHz Proximity / 13.56MHz contact-less smart card and PIN reader
- Vandal-resistant & waterproof (IP68)
- Longer cable for flexible application (1m)
- 26/34bit wiegand, 4/8bit burst for PIN output format (selectable)
- 12 numeric keypads with back lighting
- External LED control
- External buzzer control
- Tamper switch
- Wall mount (US, EU, Asian gang box size)
- Reverse polarity protection
- Compatible controller
  : SSA-P420(T)/P421(T)/P112(T)/P400(T)/P401(T)/P102(T), standalone controller, third party controller

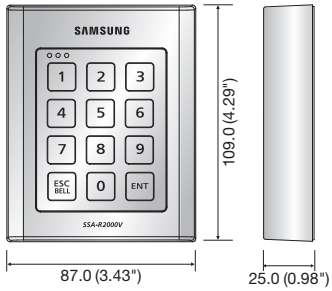
Dimensions

Unit : mm (inch)

SSA-R2000/R2001/R2003



SSA-R2000V/R2001V



Technical Specifications

	SSA-R2000	SSA-R2001	SSA-R2003
AUTHENTICATION			
Method	RFID, PIN		
INPUT / OUTPUT			
Input Port	2ea (External LED control, External buzzer control)		
Output Port	26bit wiegand, 4/8bit burst for PIN (Selectable)	34bit wiegand, 4/8bit burst for PIN (Selectable)	26bit wiegand, 4/8bit burst for PIN (Selectable)
LED Indicator	3 LED indicator (Red, Green, Yellow)		
Beeper	Piezo buzzer		
OPERATIONAL			
Frequency / Format	125KHz / Samsung	13.56MHz / MIFARE	125KHz / EM
Keypad	12key numeric keypad with back lighting		
ENVIRONMENTAL			
Operating Temperature	-30°C ~ +50°C (-22°F ~ +122°F)	-25°C to +50°C (-13°F ~ +122°F)	-30°C ~ +50°C (-22°F ~ +122°F)
Operating Humidity	Less than 90% RH		
ELECTRICAL			
Input Voltage / Current	12V DC / Max. 95mA	12V DC / Max. 75mA	12V DC / Max. 95mA
Power Consumption	Max. 1.2W	Max. 1.0W	Max. 1.2W
MECHANICAL			
Color / Material	Silver and black / Polycarbonate		
Dimensions (WxHxD)	87.0 x 109.0 x 31.0mm (3.43" x 4.29" x 1.22")		
Weight	160g (0.49 lb)		

* The latest product information / specification can be found at www.samsungsecurity.com

	SSA-R2000V	SSA-R2001V
AUTHENTICATION		
Method	RFID, PIN	
INPUT / OUTPUT		
Input Port	2ea (External LED control, External buzzer control)	
Output Port	26bit wiegand, 4/8bit burst for PIN (Selectable)	34bit wiegand, 4/8bit burst for PIN (Selectable)
LED Indicator	3 LED indicator (Red, Green, Yellow)	
Beeper	Piezo buzzer	
OPERATIONAL		
Frequency / Format	125KHz / Samsung	13.56MHz / MIFARE
ENVIRONMENTAL		
Operating Temperature	-20°C ~ +50°C (-4°F ~ +122°F)	
Operating Humidity	Less than 90% RH	
Ingress Protection	IP68	
Vandal-Resistant	Yes	
ELECTRICAL		
Input Voltage / Current	12V DC / Max. 100mA	
Power Consumption	Max. 1.2W	Max. 1.0W
MECHANICAL		
Color / Material	Silver and black / Polycarbonate & aluminum die casting	
Dimensions (WxHxD)	87.0 x 109.0 x 25.0mm (3.43" x 4.29" x 0.98")	
Weight	350g (0.77 lb) ±10g (0.02 lb)	

* The latest product information / specification can be found at www.samsungsecurity.com

SSA-R1000/R1001/R1003/R1100/R1101/R1103

Proximity / Smart Card / EM Reader



SSA-R1000/R1001/R1003



SSA-R1100/R1101/R1103

Key Features

- 125KHz proximity / 13.56MHz contact-less smart card / EM reader
- 26/34bit wiegand output format
- External LED control
- External buzzer control
- Indoor / outdoor operation
- Solid epoxy potted
- Reverse polarity protection
- Weatherproof (IP66)
- Compatible controller
  : SSA-P420(T)/P421(T)/P112(T)/P400(T)/P401(T)/P102(T), standalone controller, third party controller

Technical Specifications

	SSA-R1000	SSA-R1001	SSA-R1003
AUTHENTICATION			
Method	RFID, PIN		
INPUT / OUTPUT			
Input Port	2ea (External LED control, External buzzer control)		
Output Port	26bit wiegand	34bit wiegand	26bit wiegand
LED Indicator	2 LED indicator (Red, Green)		
Beeper	Piezo buzzer		
OPERATIONAL			
Frequency / Format	125KHz / Samsung	13.56MHz / MIFARE	125KHz / EM
ENVIRONMENTAL			
Operating Temperature	-30°C ~ +50°C (-22°F ~ +122°F)	-25°C to +50°C (-13°F ~ +122°F)	-30°C ~ +50°C (-22°F ~ +122°F)
Operating Humidity	Less than 90% RH		
ELECTRICAL			
Input Voltage / Current	12V DC / Max. 120mA	12V DC / Max. 80mA	12V DC / Max. 120mA
Power Consumption	Max. 1.5W	Max. 1.0W	Max. 1.5W
MECHANICAL			
Color / Material	Silver and black / Polycarbonate		
Dimensions (WxHxD)	47.0 x 122.0 x 26.0mm (1.85" x 4.8" x 1.02")		
Weight	135g (0.3 lb)	140g (0.31 lb)	135g (0.3 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

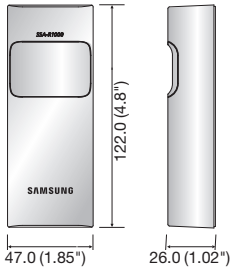
	SSA-R1100	SSA-R1101	SSA-R1103
AUTHENTICATION			
Method	RFID, PIN		
INPUT / OUTPUT			
Input Port	2ea (External LED control, External buzzer control)		
Output Port	26bit wiegand	34bit wiegand	26bit wiegand
LED Indicator	2 LED indicator (Red, Green)		
Beeper	Piezo buzzer		
OPERATIONAL			
Frequency / Format	125KHz / Samsung	13.56MHz / MIFARE	125KHz / EM
ENVIRONMENTAL			
Operating Temperature	-30°C ~ +50°C (-22°F ~ +122°F)	-25°C to +50°C (-13°F ~ +122°F)	-30°C ~ +50°C (-22°F ~ +122°F)
Operating Humidity	Less than 90% RH		
ELECTRICAL			
Input Voltage / Current	12V DC / Max. 120mA	12V DC / Max. 80mA	12V DC / Max. 120mA
Power Consumption	Max. 1.5W	Max. 1.0W	Max. 1.5W
MECHANICAL			
Color / Material	Silver and black / Polycarbonate		
Dimensions (WxHxD)	75.3 x 122.0 x 26.0mm (2.96" x 4.8" x 1.02")		
Weight	150g (0.32 lb)	155g (0.34 lb)	150g (0.32 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

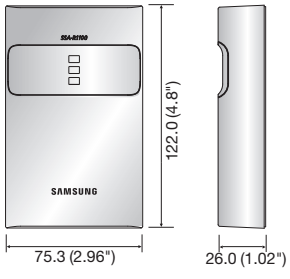
Dimensions

Unit : mm (inch)

SSA-R1000/R1001/R1003



SSA-R1100/R1101/R1103



SSA-R1000V/R1001V/R1100V/R1101V

Vandal-Resistant / Proximity / Smart Card Reader



SSA-R1000V/R1001V



SSA-R1100V/R1101V

Key Features

- 125KHz proximity / 13.56MHz contact-less smart card / EM reader
- 26/34bit wiegand output format
- External LED control
- External buzzer control
- Indoor / outdoor operation
- Solid epoxy potted
- Reverse polarity protection
- Vandal-resistant & waterproof (IP68)
- Compatible controller
  : SSA-P420(T)/P421(T)/P112(T)/P400(T)/P401(T)/P102(T), standalone controller, third party controller

Technical Specifications

	SSA-R1000V	SSA-R1001V
AUTHENTICATION		
Method	RFID	
INPUT / OUTPUT		
Input Port	2ea (External LED control, External buzzer control)	
Output Port	26bit wiegand	34bit wiegand
LED Indicator	2 LED indicator (Red, Green)	
Beeper	Piezo buzzer	
OPERATIONAL		
Frequency / Format	125KHz / Samsung	13.56MHz / MIFARE
ENVIRONMENTAL		
Operating Temperature	-30°C ~ +50°C (-22°F ~ +122°F)	-25°C ~ +50°C (-13°F ~ +122°F)
Operating Humidity	Less than 90% RH	
Ingress Protection	IP68	
Vandal-Resistant	Yes	
ELECTRICAL		
Input Voltage / Current	12V DC / Max. 120mA	12V DC / Max. 80mA
Power Consumption	Max. 1.5W	Max. 1.0W
MECHANICAL		
Color / Material	Silver and black / Polycarbonate & aluminum die casting	
Dimensions (WxHxD)	47.0 x 120.0 x 26.0mm (1.85" x 4.72" x 1.02")	
Weight	250g (0.55 lb) ±10g (0.02 lb)	250g (0.55 lb) ±10g (0.02 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

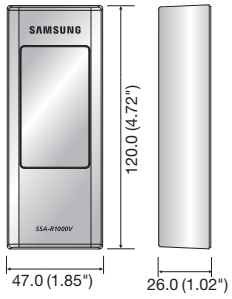
	SSA-R1100V	SSA-R1101V
AUTHENTICATION		
Method	RFID	
INPUT / OUTPUT		
Input Port	2ea (External LED control, External buzzer control)	
Output Port	26bit wiegand	34bit wiegand
LED Indicator	2 LED indicator (Red, Green)	
Beeper	Piezo buzzer	
OPERATIONAL		
Frequency / Format	125KHz / Samsung	13.56MHz / MIFARE
ENVIRONMENTAL		
Operating Temperature	-30°C ~ +50°C (-22°F ~ +122°F)	-25°C ~ +50°C (-13°F ~ +122°F)
Operating Humidity	Less than 90% RH	
Ingress Protection	IP68	
Vandal-Resistant	Yes	
ELECTRICAL		
Input Voltage / Current	12V DC / Max. 120mA	12V DC / Max. 80mA
Power Consumption	Max. 1.5W	Max. 1.0W
MECHANICAL		
Color / Material	Silver and black / Polycarbonate & aluminum die casting	
Dimensions (WxHxD)	75.3 x 120.0 x 26.0mm (2.96" x 4.72" x 1.02")	
Weight	340g (0.75 lb) ±10g (0.02 lb)	

* The latest product information / specification can be found at www.samsungsecurity.com

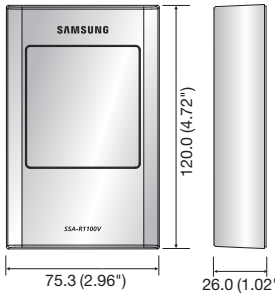
Dimensions

Unit : mm (inch)

SSA-R1000V/R1001V

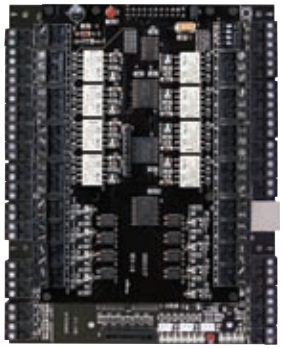


SSA-R1100V/R1101V



SSA-PE1202

Lift Access Control Panel



Key Features

- Controls up to 384 floors
  (12floors per control panel, expandable up to 32 control panel)
- Up to 50,000 users and up to 20,000 event buffers
- 26/34 bit Wiegand switchable
- Integration with SSA-P4xx series control panel
- Real-time monitoring of lift access and alarm status
- Time schedule setting by Floor or ID
- 4 key panels per each lift

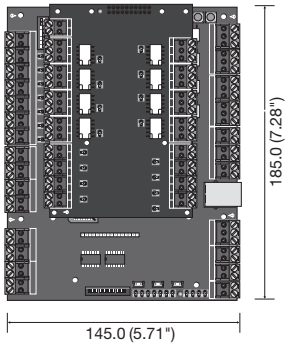
Technical Specifications

	SSA-PE1202
USER / EVENT BUFFERS	
Total ID Users	Up to 50,000 users (Default : 20,000)
Event Buffers	Up to 20,000 event buffers (Default : 20,000)
INPUT / OUTPUT	
Reader Port	4ea (26/34 bit wiegand selectable, 4/8 bit burst for PIN)
Input Port	1ea (Tamper input, input #7), (input #1~#6, #8~15 not used)
Output Port	12ea (2 form-C relay output / 12V ~ 18V DC, Rating max. 2A) 3ea (TTL output / 5V DC, Rating max. 200mA) (not used)
LED Indicator	38ea LED indicator (Red, Blue, Yellow)
Beeper	Piezo buzzer
OPERATIONAL	
Frequency / Format	125KHz Samsung, 13.56MHz MIFARE
Communication	TCP/IP / RS-232, RS-422, RS-485 (Max. 32CH)
ENVIRONMENTAL	
Operating Temperature	0°C ~ +50°C (+32°F ~ +122°F)
Operating Humidity	10% ~ 90% relative humidity non-condensing
ELECTRICAL	
Input Voltage / Current	12V DC / Max. 360mA
Power Consumption	Max. 4.4W
MECHANICAL	
Color / Material	Black / PCB
Dimensions (WxHxD)	145.0 x 185.0 x 18.0mm (5.71" x 7.28" x 0.71")
Weight	350g (0.77 lb)
TIME SCHEDULES	
Time Code	10
Time Interval	5
Holiday Code	10
Holiday	100

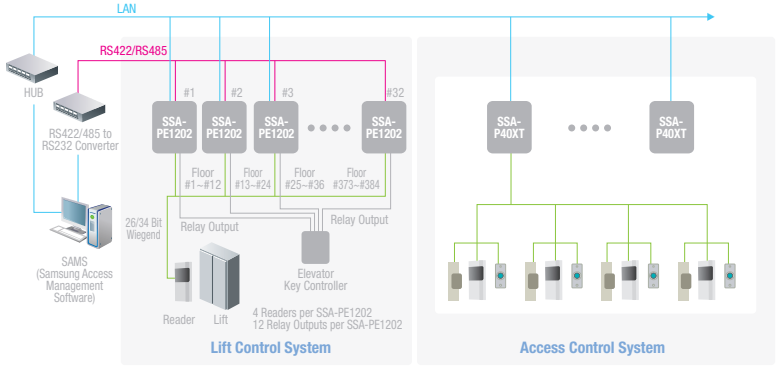
* The latest product information / specification can be found at www.samsungsecurity.com

Dimensions

Unit : mm (inch)

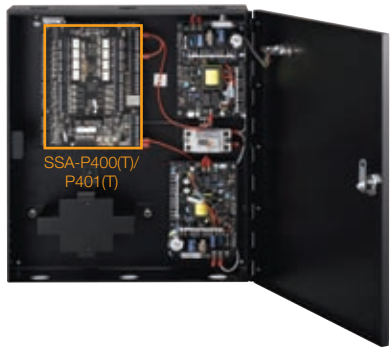


System Configuration

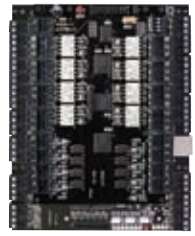


SSA-P420(T)/P421(T)/P400(T)/P401(T)

Intelligent 4 Doors Access Control Panel with Power Package
Intelligent 4 Doors Access Control Panel



SSA-P420(T)/P421(T)



SSA-P400(T)/P401(T)

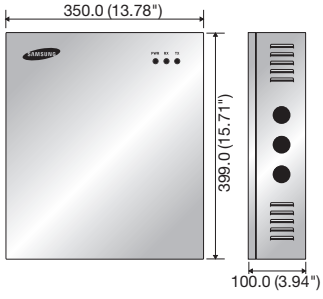
Key Features

- Intelligent 4 doors access control panel with power package
- Up 50,000 users and up to 29,500 event buffers
- Network communication via RS-232/RS-422/RS-485, TCP/IP : SSA-P4xxT
- Independent 15 inputs and 15 outputs including 12ea of 2 form-C relay outputs
- 4ea of reader port for anti-passback function : 26bit/34bit wiegand and 4/8bit burst for PIN
- ARM / DISARM function for alarm panel
- 2 levels individual door opening time setting available for handicapped person
- Remain ID & event data and setting value in case of electric outage
- 2 men operation / duress mode function
- Alarm event monitoring using tamper switch
- Communication status via LED indicator

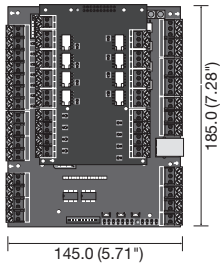
Dimensions

Unit : mm (inch)

SSA-P420(T)/P421(T)



SSA-P400(T)/P401(T)



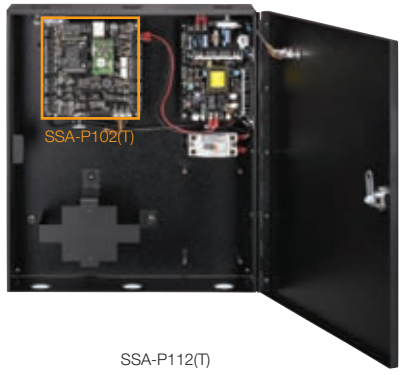
Technical Specifications

	SSA-P420(T)	SSA-P421(T)	SSA-P400(T)	SSA-P401(T)
USER / EVENT BUFFERS				
Total ID Users	Up to 50,000 users (Default : 5,000)			
Event Buffers	Up to 29,500 event buffers (Default : 27,500)			
INPUT / OUTPUT				
Reader Port	4ea (26/34 bit wiegand, 4/8 bit burst for PIN), 26bit wiegand : SSA-P4x0(T), 34bit wiegand : SSA-P4x1(T)			
Input Port	15ea			
Output Port	12ea (2 form-C relay output / 12V ~ 18V DC, Rating max. 2A) 3ea (TTL output / 5V DC, Rating max. 20mA)			
LED Indicator	38ea LED indicator (Red, Green, Yellow)			
Beeper	Piezo buzzer			
OPERATIONAL				
Frequency / Format	125KHz / Samsung or EM	13.56MHz / MIFARE	125KHz / Samsung or EM	13.56MHz / MIFARE
Communication	TCP/IP : SSA-P4xxT / RS-232, RS-422, RS-485 (Max. 32CH)			
ENVIRONMENTAL				
Operating Temperature	0°C ~ +50°C (+32°F ~ +122°F)			
Operating Humidity	Less than 90% RH			
ELECTRICAL				
Input Voltage / Current	90 ~ 250V AC 50/60Hz / Max. 3A		12V DC / Max. 430mA	
Power Consumption	Max. 40.5W		Max. 5.2W	
MECHANICAL				
Color / Material	Black / Steel Case, PCB		Black / PCB	
Dimensions (WxHxD)	350.0 x 399.0 x 100.0mm (13.78" x 15.71" x 3.94")		145.0 x 185.0 x 18.0mm (5.71" x 7.28" x 0.71")	
Weight	5.7Kg (12.57 lb)		350g (0.77 lb)	
TIME SCHEDULES				
Time Code	10			
Time Interval	5			
Holiday Code	10			
Holiday	100			

* The latest product information / specification can be found at www.samsungsecurity.com

SSA-P112(T)/P102(T)

Intelligent Single Door Access Control Panel with Power Package
Intelligent Single Door Access Control Panel



SSA-P112(T)



SSA-P102(T)

Key Features

- Intelligent single door access control panel with power package
- Up to 50,000 users and up to 50,000 event buffers
- Standalone / network communication via RS-232/RS-422/RS-485, TCP/IP : SSA-P112T/P102T
- Independent 5 inputs and 4 outputs including 2ea of 2 form-C relay outputs
- 2ea of Reader port for anti-passback function : 26/34bit wiegand (selectable), 4/8bit burst for PIN
- Remain ID & event data and setting value in case of electric outage
- Duress mode function
- Alarm event monitoring using tamper switch
- Communication status via LED indicator

Technical Specifications

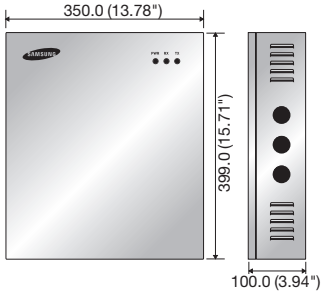
	SSA-P112(T)	SSA-P102(T)
USER / EVENT BUFFERS		
Total ID Users	Up to 50,000 users (Default : 10,000)	
Event Buffers	Up to 50,000 event buffers (Default : 50,000)	
INPUT / OUTPUT		
Reader Port	2ea (26/34 bit wiegand selectable, 4/8 bit burst for PIN)	
Input Port	5ea (Exit button, Door sensor, Aux#1 ~ #3)	
Output Port	2ea (2 form-C relay output / 12V ~ 18V DC, Rating max. 2A) 2ea (TTL output / 5V DC, Rating max. 200mA)	
LED Indicator	16ea LED indicator (Red, Blue, Yellow)	
Beeper	Piezo buzzer	
OPERATIONAL		
Frequency / Format	125KHz / Samsung or EM, 13.56MHz / MIFARE (Selectable)	
Communication	TCP/IP : SSA-P1x2T / RS-232, RS-422, RS-485 (Max. 32CH)	
ENVIRONMENTAL		
Operating Temperature	0°C ~ +50°C (+32°F ~ +122°F)	
Operating Humidity	Less than 90% RH	
ELECTRICAL		
Input Voltage / Current	90 ~ 250V AC 50/60Hz / Max. 3A	12V DC / Max. 170mA
Power Consumption	Max. 40.5W	Max. 2.1W
MECHANICAL		
Color / Material	Black / Steel Case, PCB	Black / PCB
Dimensions (WxHxD)	350.0 x 399.0 x 100.0mm (13.78" x 15.71" x 3.94")	137.0 x 137.0 x 18.0mm (5.39" x 5.39" x 0.71")
Weight	5.7Kg (12.57 lb)	160g (0.35 lb)
TIME SCHEDULES		
Time Code	10	
Time Interval	5	
Holiday Code	10	
Holiday	32	

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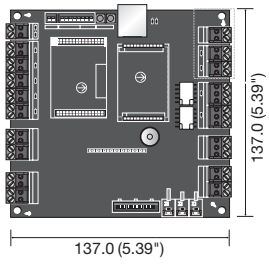
Dimensions

Unit : mm (inch)

SSA-P112(T)

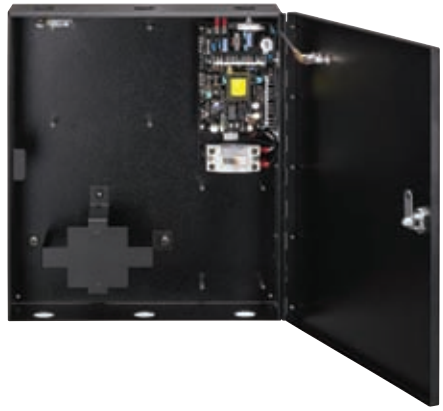


SSA-P102(T)



SSA-X100

Power Package for Control Panel



Key Features

- Power package for control panel
- Communication status via LED indicator
- Surge protection (NFB)
- Low battery check
- AC power failure check
- Battery recharge circuit

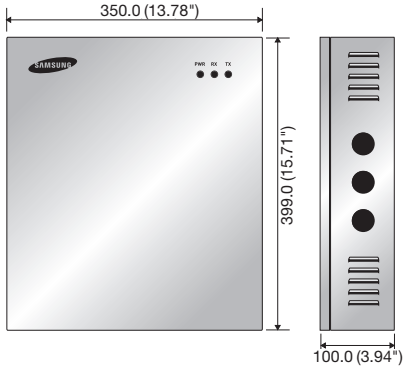
Technical Specifications

	SSA-X100
POWER BOARD	
Input	90 ~ 250V AC, 50/60Hz
Output	+13V DC, 3.0A
Power Consumption	40.5W
Battery Recharge Circuit	Built-in battery recharge circuit
Dimensions (WxHxD)	350.0 x 399.0 x 100.0mm (13.78" x 15.71" x 3.94")

* The latest product information / specification can be found at www.samsungsecurity.com

Dimensions

Unit : mm (inch)



SSA-C100/C200/C110/X500

Proximity Card / Smart Card / Fingerprint Scanner



SSA-C100/C200



SSA-C110



SSA-X500

Key Features

SSA-C100/C200/C110

- 125KHz / passive type : SSA-C100/C110
- 13.56MHz / passive type : SSA-C200
- ISO credit card size and thickness : SSA-C100/C200
- Clamshell type : SSA-C110

SSA-X500

- Compact and elegant design, which is more convenient to use
- Excellent product durability that assures a long life
- Provides USB interface



SSA-X500
(Fingerprint Scanner)

Technical Specifications

	SSA-C100	SSA-C200	SSA-C110
OPERATIONAL			
Frequency / Format	125KHz / Samsung	13.56MHz / MIFARE	125KHz / Samsung
Encoding	Compatible with PSK type of 125KHz	Compatible with ISO14443 type A 13.56MHz	Compatible with PSK type of 125KHz
MECHANICAL			
Color / Material	PVC	PVC	ABS
Dimensions (WxHxD)	54.0 x 0.8 x 86.0mm (2.13" x 0.03" x 3.39")	54.0 x 0.8 x 86.0mm (2.13" x 0.03" x 3.39")	54.0 x 1.7 x 86.0mm (2.13" x 0.07" x 3.39")
Weight	5.5g (0.01 lb)	5.5g (0.01 lb)	9g (0.02 lb)

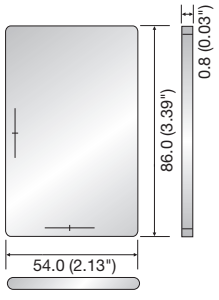
* The latest product information / specification can be found at www.samsungsecurity.com

	SSA-X500
Interface Type	USB
External Interface Spec.	USB 1.1
Fingerprint Recognition Sensor	OPU01M
Resolution (DPI)	500 DPI
Dimensions (WxHxD)	25.3 x 40.7 x 67.7mm (1" x 1.6" x 2.67")
FINGERPRINT MODULE SPECIFICATIONS	
Resolution	500dpi
Capture Image Size	412 x 302pixels
Extraction Image Size	260 x 300pixels
Sensing Area	13 x 15.2mm
Scanner	High quality optical sensor
FAR	0.001%
FRR	0.1%
ESD	15KV
Verfication Time	Less than 1sec
Identification Time	Less than 2sec

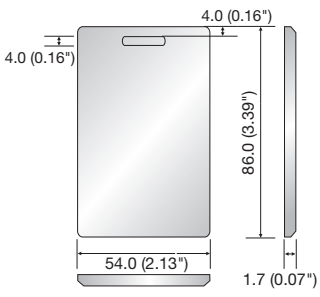
* The latest product information / specification can be found at www.samsungsecurity.com

Dimensions

Unit : mm (inch)



SSA-C100/C200



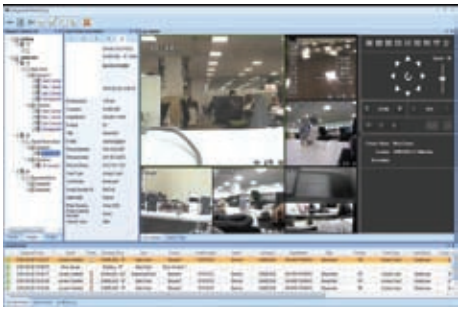
SSA-C110





SSA-M2000/M2100

SAMS (Samsung Access Management Software) Pro / Pro Lite

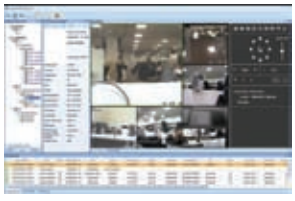


Key Features

- Video surveillance integration allowing control of cameras and digital video recorders
- Supports multiple sites
- Supports multiple languages
- Dynamic card holder and ID management function
- Graphical map for ease of navigation
- Comprehensive access control reports
- Easily export and convert data
- Easy set-up wizard
- Balloon help tips to assist users
- Distributed processing
- Supports mass storage databases (MS SQL)
- Intuitive user-friendly interface
- User defined integrated monitoring

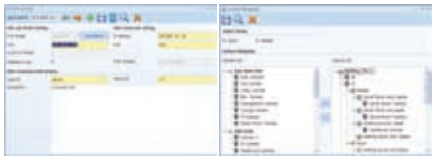
Access Control & Integrated Video

SAMS Pro supports access control & integrated video. User can monitor all access events and the video related those events. The status of doors, digital video recorders and cameras can easily be monitored via a user defined map.



Video Integration Management

SAMS Pro supports full video integration with access control. Users are able to select digital video recorders and cameras mapped against specific access control readers to enable visual verification of events.



Cardholder Management

Users can be issued with multiple access cards, a vehicle card and a door entry card for example, and fully administered from a single point.



Time Schedule Management

Time schedule management allows system administrators to set access rights at different times during the day. In any one 24 hour period, up to five time zones can be set across multiple days and weeks. Set-up is made easy through color coordinated time bars and clocks.



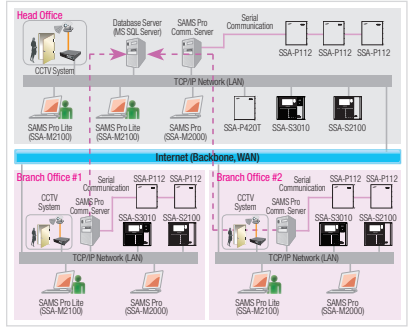
User Customisable Screens

An administrator can easily change how to view the integrated video display by simple drag & drop commands. Screens are able to be set-up per user and remembered next time they log-on. In addition, other information such as status of event and alarms can be customized by individual users. Multiple monitors are also supported so that the user interface can be separated over different screens.



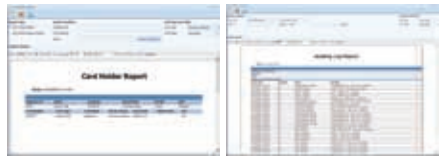
Server / Client Configuration

SAMS Pro supports multiple server and client network configurations. SAMS Pro (SSA-M2000) is server software capable of setting up users and administering the system. SAMS Pro Lite (SSA-M2100) is client software that contains everything needed for day-to-day running of the system without device set-up options.



Comprehensive Access Reports

SAMS Pro is able to output various standard reports such as card holder Information, card holder alarm status and access status reports. Administrators are able to export data in either spreadsheet or document formats to integrate with other software systems such as time & attendance, payment and ERP systems. Reports can also be exported as .xls, .txt, .pdf, and .tif files.



Time & Attendance Management

Using fully searchable in/out event data, an administrator is able to manage numerous time and attendance activity such as entry time, leaving time and absence.



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