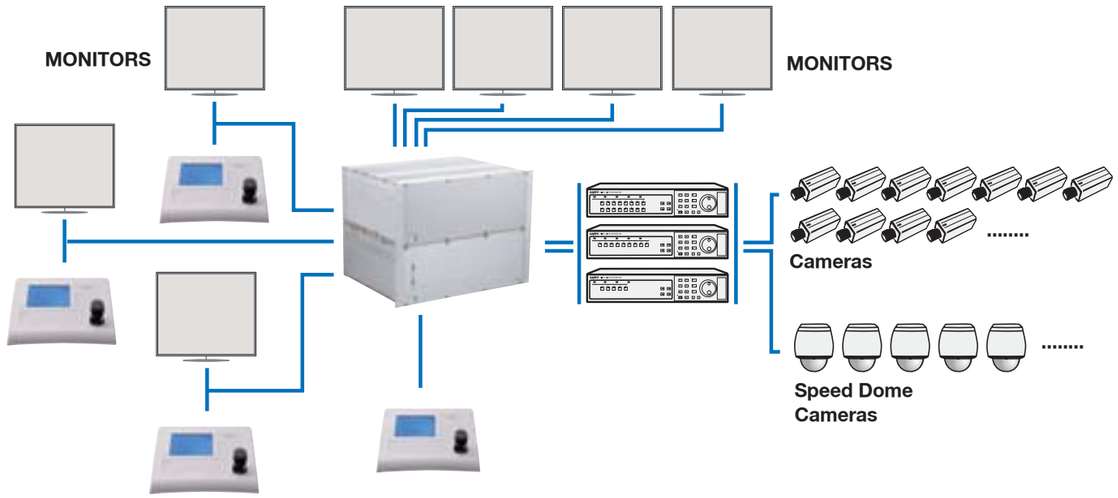
Matrix Switcher XMX-SERIES

Specifications	
Video Format	PAL / NTSC
Input signal / Input impedance	1,0 Vpp/ 75 Ohm
Output signal / Output impedance	1.0 Vpp/ 75 Ohm
Video Inputs	64 (Up to 1024 (BNC))
Video Outputs	16 (Up to 96 (BNC))
Alarm Input	16 (Up to DI-1024)
Alarm Output	8 (Up to DO-512)
Communication	RS-232C, RS-485, USB, Ethernet
Communication Speed	19.200bps
PTZ Camera Control	3 x R5-485
On-screen Displays	Date, Time, Video Number, Video Title, Monitor Status
Text Insertion	Each up to 20 characters
Dimensions (WxHxD)	440 (W) x 370 (H) x 177 (D)
Power Requirements / Frequency	100 - 240 VAC 60/ 50 Hz ± 10%



Accessories



Extension Box
XMX-100



Extension Box with power
XMX-110



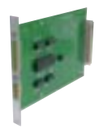
Videodistribution Box
XMX-150



8ch Main Board
HB-8
Input

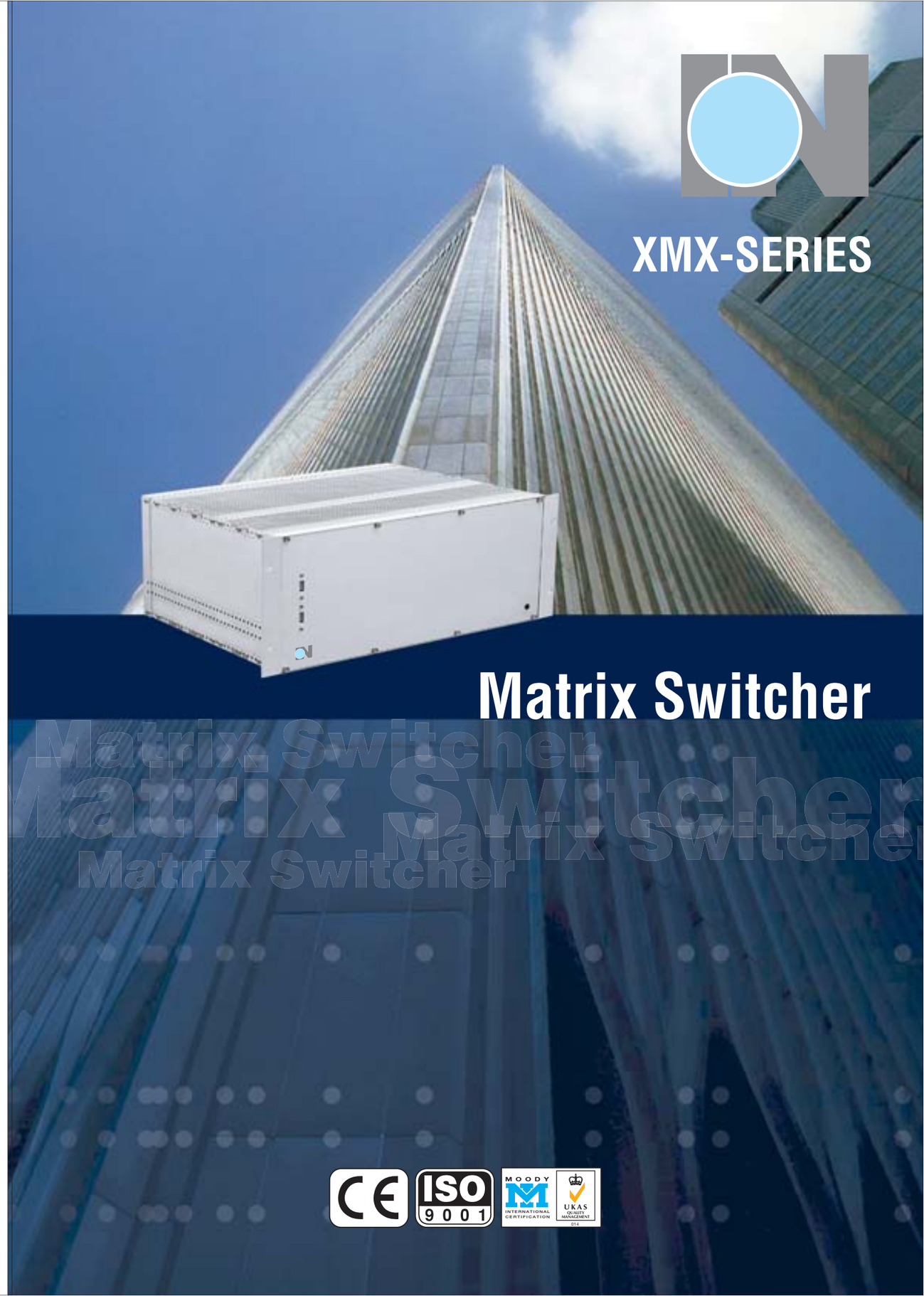


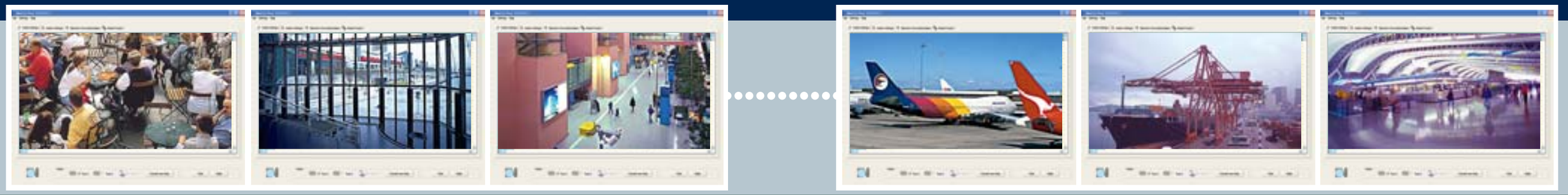
8ch Extention Board
EB-8
In/out selectable



Alarm Board
AIO-168

www.ionrus.com





Main

- Modular microprocessor based high density video matrix architecture
- Central controlling of many 10.000 video inputs and many 1.000 outputs.
- Loop trough optional
- Analog and Digital VCR control (SSP)
- Multiplexer control (SSP)
- Provides fixed and variable - speed pan / tilt and dome control
- XP -based system programming packages
- Dual CPU optional
- On screen Display for camera number and location. Monitor Status, Date and Time.
- Automatic alarm control for all alarm inputs
- Individual monitor sequences
- Different password protected user levels
- Multiple COM Ports
- Controls multiple remote stations
- Built-in video Loss Detection



General

The Matrix Is available in pre-packed 4 U and 8 U 19" rack mountable Cases.
One 4U bay has up to 112 Video in and 16 video outputs.



High Density Scalable Matrix Switcher

The Sanyo Matrix Switcher MX Series is a modular microprocessor based security system supporting up to 1024 inputs and up to 96 outputs with one single matrix system.
With one controller many 10.000 Video inputs and many 1.000 Monitor outputs can be controlled.

Redundancy Options

Highest redundancy with optional dual CPU.



SSP Compatible

The Matrix Switcher can be controlled with Sanyo VSP-8000/VSP-9000 or any other SSP compatible control device. The new Sanyo Touch panel Controller with user friendly Graphical User Interface allows easy control and setup of the Matrix Switcher.
The controller can also control all other devices supporting SSP protocol, such as Sanyo Dome Cameras, Multiplexers, DVR's and VCR's. To integrate other devices you may use the optional SSP Receiver



Compatibility

It is possible to connect Pan/Tilt/Zoom or Dome cameras of different manufacturers to one Matrix Switcher. This allows you to integrate existing cameras into your system and offers you highest compatibility. Each video input could be a fixed camera or a Pan/Tilt/Zoom Camera.
Up to 128 Matrix Units can be installed in one RS485 Bus System. Almost unlimited numbers of Matrix Switchers can be controlled using the TCP/IP protocol for LAN or WAN networks.

Setup

You can setup the Matrix in two ways:
1. Over the TCP/IP connection using your computer and the free delivered Matrix software. After you made your setup you need to upload the settings to the Matrix using the TCP/IP connection.
2. By connecting a VGA Monitor to the Matrix and using the setup menu on the screen.

Control

For controlling the Matrix you have following choices:
1. VSP-8000/VSP-9000 controller or any other SSP compatible controller
2. Any PC, which is on the same Network like the Matrix by using the TCP/IP. The control Software comes free with the Matrix
3. With a graphical map oriented custom made Software. This Software is optional. You need to install this Software on your PC; control will be done over TCP/IP.



Modular Construction

The matrix switcher can be expanded modular easily by module slots. Max.16 Cards can be used in one case

Configuration and Setup

User Friendly and easy configuration with the standard delivered GUI PC Software. You can download the data's to the Matrix over TCP/IP connection even over remote stations.

Network Support and LAN

You can control the Matrix Switcher by using TCP/IP connection either with the touch panel controller or with your PC using existing networks.



Timer Functions

More than 100 individual camera and monitor tours can be programmed individually.

Alarm Management

Optional there is an external alarm input for each camera and an external alarm output for each monitor. All alarms can be programmed to call any camera to any monitor or to call the pre-programmed preset of the PTZ camera If connected or to start tours or sequences.