



MS-A Series

Matrix Switcher Systems up to 4,096 Camera Inputs x 512 Monitor Outputs

Aventura’s Analog Matrix Series features enterprise-level switching control allowing viewing of up to 4,096 cameras on 512 monitors all in a single node. Connections via the network of up to 24 nodes accommodate virtually any potential project expansion. Factory pre-configuration makes for rapid deployment. Aventura’s matrix solution features the latest in system management software with an emphasis on ease-of use and programming.

Features

- Control up to 4,096 cameras and 512 monitor outputs in a single node
- Modular design
- Operation levels set by priority
- Built-in system diagnostics for video loss and system shut down
- Step-Command macro programming
- Built-In Ethernet for network functions and configuration
- Hot swappable input and output cards
- Up to 1,024 alarm inputs can be connected via alarm interface
- System configuration via network or Central Processing Unit
- Video Switching: Group Switch, Tour Switch, Sequential Switch, Sync Switch, Forward/Backward Switch
- Video Detection: Real time video loss detection display on specific monitors.
- Character Overlay: Camera ID, Title, Time/Date, System status can be displayed on all monitors
- Communicates with IP cameras (via separate decoder)
- Alarm Relay and Auto Alarm handling functions, Event Programming, and Monitor Tours
- All configuration data stored in on-board memory in the event of system shut down
- Graphical User Interface for administration and maintenance software
- External connections to workstations, printers, controller keyboards, alarm interfaces
- Redundant CPU (Optional)
- Redundant Power Supply for automatic fail over (Optional)

Systems of 1,024 Inputs and Larger

- Redundant CPU
- Redundant Power Supplies for automatic fail over
- 1,024 Alarm inputs (Alarm Interface Units)
- Connect unlimited controller keyboards via expansion cards

SPECIFICATIONS

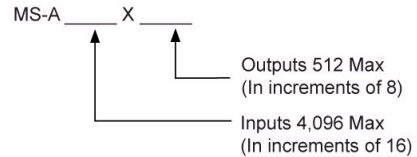
Video Input	Up to 4,096 Channels, 1.0Vp-p, 75 ohms
Video Output	Up to 512 Channels, 1.0Vp-p, 75 ohms
Bandwidth	15MHz
Signal-to-noise	-61.1 dB
Adjacent Crosstalk	-54.4 dB
Differential Gain	0.52%
Switching Time	16 mS
Video Input Level Range	0.5 - 2 Vp-p
Operating Temperature	14° - 122° F
Humidity	Less than 95%
Power Input	120 VAC, 60Hz/230 VAC, 50Hz
Power Consumption	60W, 90W (fully populated)
Connections on each bay:	
RS-232	One (1) DSUB 9-pin
USB	One (1)
Ethernet	One (1) 10/100/1000
Decode Communication	One (1) RJ-45 (expandable)
Expansion Mount	One (1) DSUB 25-pin
Controller Mount	Eight (8) RJ-45 (expandable)
Mounting	Fits 19" EIA-Standard Rack (8U)
Warranty (Effective Jan 1, 2009)	
2 Years	

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- 4,096 camera x 512 monitors (Single node)
- Network up to 24 nodes
- Up to 120 RS-422 COM ports
- Factory tested and pre-configured system
- High-density architecture

MODELS:



Example: Ms-A256x32
256 input x 32 Output