

**MultiView™ Matrix Switchers**

**Cat5-based Full-matrix Switchers Enable Source-to-Destination Routing Flexibility**

Fully compatible with Magenta's industry-leading MultiView Series



**MultiView Matrix 8x8 / MultiView Matrix 16x16**

Magenta Research's MultiView Matrix™ 8x8 and 16x16 switchers integrate seamlessly between the high-performance MultiView line of video, audio and serial over Cat5 transmitters and receivers. Both models switch any combination of signals, as supported by the transmitter/receiver configuration. The switchers incorporate a unidirectional (simplex) serial data layer that permits source to destination routing of control signals

The MultiView Matrix 8x8 and 16x16 Cat5 switchers feature multiple control options:

- Intuitive front-panel pushbuttons, including programmable presets to store commonly used switching configurations
- GUI (Graphical User Interface), software included
- 3rd-party control software, via the RS-232 port
- Via serial over IP (TCP/IP, UDP), by adding the optional IP/Com interface module

Both the 8x8 and 16x16 switchers include a unique LED display, illustrating the current source-to-output configuration at a glance. The front panel pushbuttons also illuminate when activated for ease-of-use.

Incorporating Cat5 connections results in a much smaller installation footprint versus a similar BNC-based setup. The MultiView Matrix 16x16 also comes with all hardware needed for rack mounting. The Matrix 8x8 can be rack mounted with an optional kit.

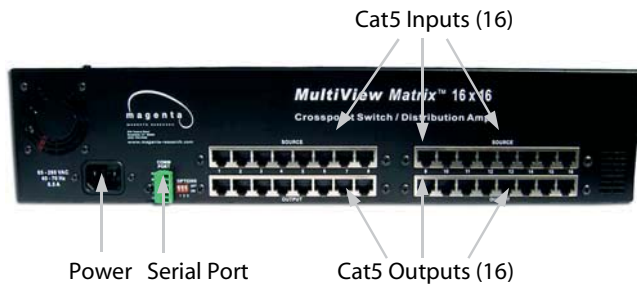
**MultiView Matrix Features / Benefits:**

- Cat5 inputs and outputs replace multiple BNC connections
- Easy to use front panel push buttons, RS232 or GUI control
- LED matrix shows all active inputs/outputs at a glance
- Compact form factor
- Full compatibility with Magenta's MultiView Series
- Programmable presets for quick-change configurations
- Rack-mountable

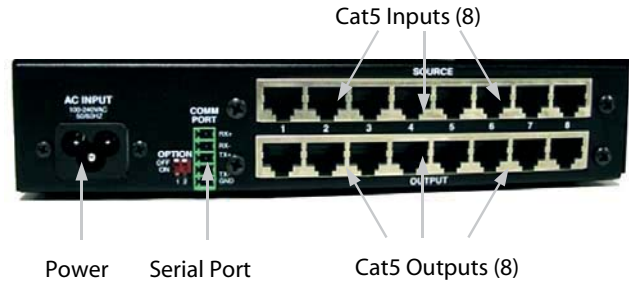
**Companion Products:**

				
<p>MultiView 500A MultiView 500S Receiver</p>	<p>MultiView AK600DP-A DP-S / DP-SA Receiver</p>	<p>MultiView AK1200DP-A DP-S / DP-SA Receiver</p>	<p>MultiView XR-2000DP-A DP-S / DP-SA Receiver</p>	<p>Morph-It Powered Rack Frame Dual EQ Card / Dual Trans. Card</p>

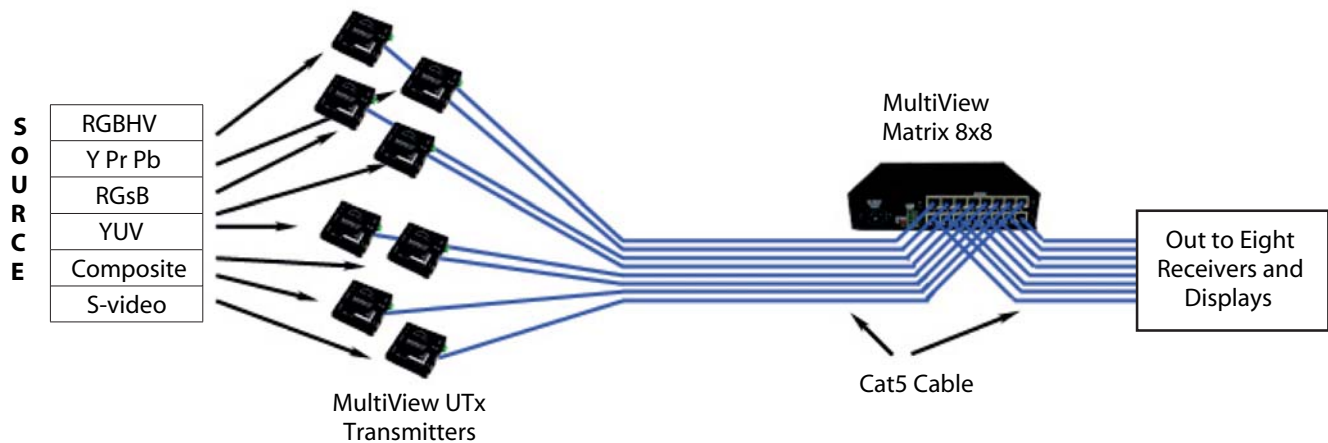
## Matrix 16x16 Rear Connectors



## Matrix 8x8 Rear Connectors



## Matrix 8x8 Sample Layout



## Specifications

### Video transport:

RGBHV, RGsB, S-video, Component, YUV, HDTV, Y/C, NTSC, PAL, (model and/or configuration-dependent)

### Audio transport:

Line-level combined L&R, stereo, or SPDIF digital audio (model and/or configuration-dependent)

### Serial data transport:

Uni-directional RS232 to 19.2k baud (model and/or configuration-dependent)

### Maximum Resolution:

1920x1200 (receiver-dependent)

### Switch control:

Serial control port: RS232, RS422 or RS485 via captive screw connector

### Baud rate:

9600, 8 bit, 1 stop bit, no parity  
19.2k, 8 bit, 1 stop bit, no parity

### User Interfaces:

Front panel push buttons, GUI (included), IP (optional) or 3rd party control via RS-232

### Power:

90-240 VAC @ 50/60 Hz, internal (power cord included)

### Consumption:

Matrix 8x8: 35 watts maximum  
Matrix 16x16: 49 watts maximum

### Dimensions:

Matrix 8x8: 8.12" W x 6.5" D x 1.75" H  
(20.6 cm x 16.5 cm x 4.45 cm)  
Matrix 16x16: 17.2" W x 6.8" D x 3.5" H (43.6 x 17.2 x 8.86 cm)  
19.0" W with included mounting brackets (48.3 cm)

### Weight:

Matrix 8x8: 2.8 lb (1.3 Kg)  
Matrix 16x16: 6.5 lb (2.9 Kg)

### Enclosure:

Powder-coated steel (Galvanneal process)

### Operating temp:

0 to 40° C

### Storage:

-20 to 60° C

### Humidity:

80% non-condensing

### MTBF:

100,000 hours

### Approvals:

CE, FCC (16x16) / FCC (8x8)