

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: 2211037



MultiView Matrix 16x16: 2211038

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, saving rack space and installation labor
- 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

Sample Companion Products - for a complete listing, please visit our website: www.magenta-research.com



MultiView 500A
Receiver 400R3540
Multi View 500S
Receiver 3649



MultiView AK600DP-A
Receiver 400R3755
AK600DP-S: 400R3756
AK600DP-SA: 400R3765



MultiView AK1200DP-A
Receiver 400R3681
AK1200DP-S: 400R3682
AK2000DP-SA: 400R3690

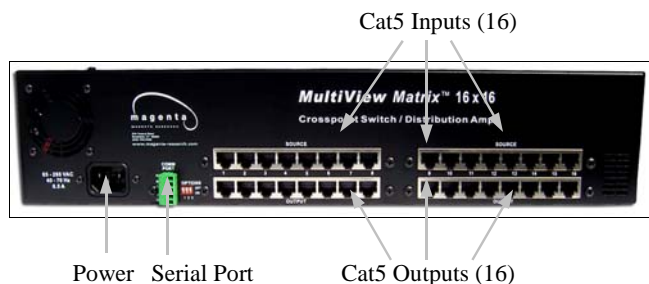


MultiView XR-2000DP-A
Receiver 400R3584
XR-2000DP-S: 400R3622
XR-2000DP-SA: 400R3614

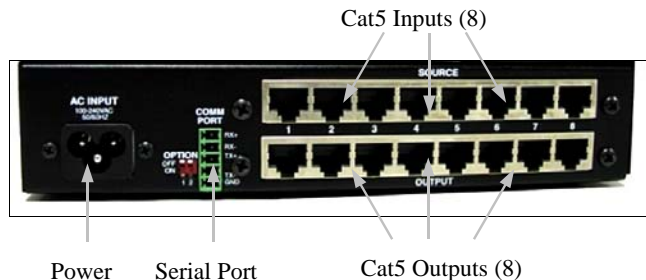


Morph-It Powered Rack
Frame 400R3314-01
Dual EQ Card: 400R3308
Dual Trans. Card: 400R3381

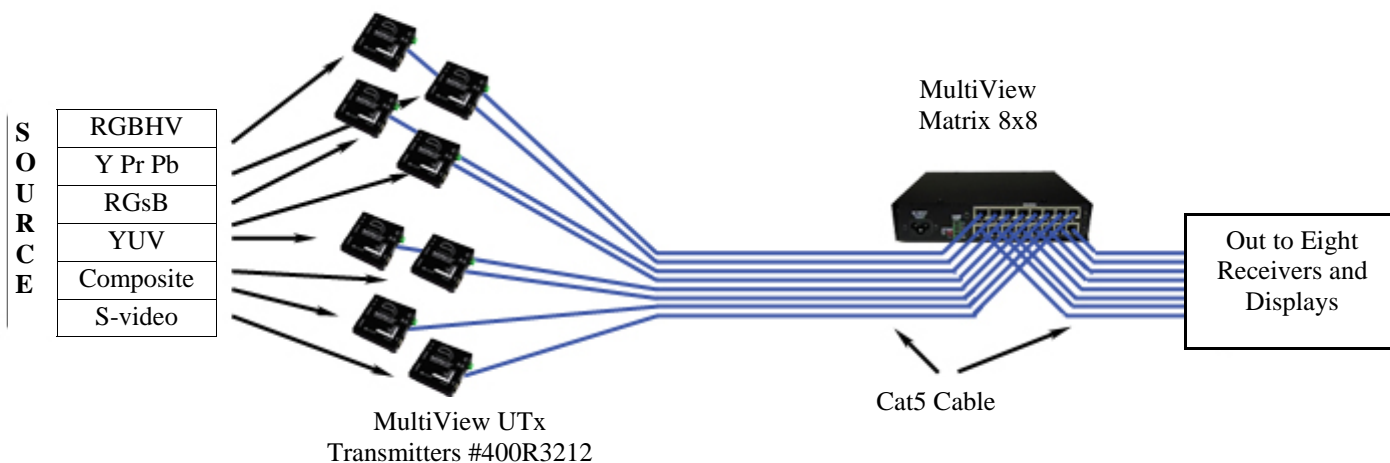
Matrix 16x16 Rear Connectors



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 or 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

Warranty: 3 years

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)

Magenta Research is the undisputed leader in the adaptive distribution and switching of audio/visual signals over Cat5 cable. Over ten years, Magenta has developed the highest-performance, most flexible video-over-Cat5 product line, the MultiView Series. The company utilizes patent-pending RepliSync™ and complex, state-variable signal EQ technologies to enable UXGA video distribution at 2,000 (610m). MultiView Series transmitters, receivers, switches and distributive systems have been installed in a large variety of A/V applications, especially dynamic signage for airport, retail, fast food, museum, casino, theatre, courtroom and corporate applications. Based in New Milford, CT, Magenta utilizes a network of international distributors, manufacturers representatives and resellers to market its enabling technology worldwide.

