



The Reliable One

MultiView Matrix™ 16 x 16

Full-matrix CAT5
Crosspoint Switcher



FRONT

REAR

The MultiView Matrix™ 16x16 further expands full-matrix switching from Magenta Research, the recognized leader in high-resolution video distribution over CAT5/UTP cable. Based upon the MultiView Matrix 8x8, the 16x16 also switches whatever signals are being carried on the CAT5 cable – composite through QXGA video, audio, SPDIF digital audio, or serial control. Each of the 16 inputs can be sent to any number of the 16 possible outputs, and the LED matrix on the front panel shows the routings at a glance. Users can program up to 16 configuration presets. The MultiView Matrix 16x16 may be remotely operated via the serial port or Magenta's IP network enabling module (call for information). An available graphical user interface emulates the front panel for added convenience.

Features:

- ◆ Front panel, illuminated push buttons
- ◆ Serial-controllable via RS232, RS422 and RS485
- ◆ 16 programmable presets for instant configuration switching
- ◆ LED matrix clearly displays input-to-output connections at a glance
- ◆ Hardware included for easy rack mounting

Benefits:

- ◆ CAT5/UTP RJ45 inputs and outputs – only 32 total vs. scores of BNC coaxial cables
- ◆ Compact size (2U high) compared to BNC switchers (typically 6U high)
- ◆ Compatible with industry-standard control systems and PC serial control
- ◆ Allows CAT5 runs from source to display, including switched environments
- ◆ Replaces the need for costly, bulky RGBHV, BNC or RCA cabling
- ◆ Compatible with the entire MultiView™ Series of transmitters and receivers

Magenta Research's MultiView™ Series is the industry's only complete "system solution" for the delivery and distribution of video (from NTSC to QXGA), serial data and audio over CAT5/UTP cable. In June 2003, Magenta accomplished an industry first - the transmission of high-resolution UXGA video at a distance of 1500 feet (457 meters). The unique "building block" approach of the MultiView Series supports applications ranging from point-to-point through distribution to hundreds, including sophisticated switched environments. The company's products address dynamic signage and other applications in retail, fast food, airport, train station, theatre, museum, casino, courtroom, worship, staging, corporate and residential environments.

MultiView Matrix™ 16 x 16

Specifications

| | |
|--------------------------------|---|
| Video transport*: | RGBHV (QXGA – 2048 x 1536), RGsB, Component, Y/C, NTSC, PAL (model-dependent) |
| Audio transport*: | Stereo, line-level combined L&R or SPDIF digital audio |
| Serial data transport*: | Uni-directional RS232, DC to 19.2k baud (model-dependent) |
| Resolution*: | 2048 x 1536 @ 75Hz |
| Switch control: | |
| Serial control port: | RS232, RS422, RS485 captive screw connector |
| Baud rate: | 9600, 8 bit, 1 stop bit, no parity |
| User interface: | Front panel pushbuttons, IP, PC or 3rd party control |
| Power: | 90-240 VAC @ 50/60 Hz, internal, auto-switched |
| Mechanical: | |
| Dimensions: | 17.15" W x 6.78" D x 3.49" H (43.6 x 17.2 x 8.86cm) 19" W with included mounting brackets (48.3cm) |
| Weight: | 2.6 lb (1.2kg) |
| Enclosure: | Steel |
| Environmental: | |
| Operating temperature: | 0 to 40°C |
| Storage temperature: | -20 to 60°C |
| Maximum humidity: | 80% non-condensing |
| MTBF: | 100,000 hrs |
| Compliance: | CE, FCC |

* Via MultiView™ Series transmitters & receivers

