



## THE SWITCHING YOU NEED MONDO MATRIX III™

Magenta's MONDO MATRIX III is a full-matrix switching platform capable of switching and extending hi-definition video, stereo audio and addressable duplex serial signals, all in a single switching platform.

Building on the incredible success of the MONDO MATRIX II, the MONDO III offers a host of redundancy and performance improvements over the previous incarnation, all while maintaining price points and offering full backwards compatibility.

Additionally, the MONDO III - SAP option answers the demand from an increasing number of digital signage and ProAV applications for addressable duplex serial

capability, which enables the collection of individual display data and metrics, while providing independent control over each display.

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### THE BIGGEST SWITCH ON THE PLANET! 16x16 TO 256x512

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Like its predecessor, the field upgradable MONDO III and MONDO III-SAP future proofs your investment by allowing for additional inputs and outputs, in increments of 16 inputs or outputs, while supporting an unprecedented maximum configuration of 256 x 512.



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# THE SWITCHING YOU NEED MONDO III\*



MONDO MATRIX III REAR VIEW (32X16 SHOWN)



MONDO MATRIX III WITH MONDO DIRECT OPTION REAR VIEW (16V32X16 SHOWN)

## KEY FEATURES

- Supports addressable duplex serial (-SAP option)
- Option to add up to eight serial ports
- Improved redundancy
- Optional network interface
- Front panel status indicators
- Backward compatible with MONDO II
- Full-matrix switching and UTP extension
- Scalable and field upgradable from 16x16 to 256x512
- Compatible with MultiView transmitters and receivers
- Save equipment and labor costs with UTP switching

## OPTIONAL FEATURE

Optional Touch Control panel (MONDO TC) can be used for complete control of the MONDO III and features customizable label inputs, outputs, and adapts to any size switch



The **Mondo Direct** option adds transmitter integration. A single 4U chassis can be equipped with 32 Mondo Direct inputs or 16 Mondo Direct inputs and up to 32 UTP inputs

## SPECIFICATIONS

**Configuration/Frame:** 16x16 - 64x16 (16 input increments)

**Video In:** 100ohm balanced, I-V p-p

**Dynamic Headroom:** >3dB

**Coupling & Gain:** DC, unity gain

**Switch Speed:** 50ns from command recognition

**Signal Type:** RGBHV, Component, Y/C, Composite

**Inputs/4U Frame:** 16 (max 64) RJ-45 Female

**Loop Out:** 16N (max 64) RJ-45 Female

**Outputs/4U Frame:** 16 RJ-45 Female

**Audio Signals:** MultiView Component Dependant

**Control:** RS-232/RS-422

**Switch Control Interface:** 7-pin Phoenix

**Aux Serial Ports:** 2x DB9 (option for up to 8)

**Network Interface:** RJ-45 Female (optional)

**Rackmount:** Standard 4U 19" EIA

**Enclosure:** Front panel powder coat: chassis: Passive aluminum

**Dimensions:** 7.0" H x 19" W x 10.25" D (178H x 483W x 260Dmm)

**Weight:** Fully populated 16.6lbs (7.5kg)

**Power Input:** 90-264V/50-60Hz, 150W max

**Temperature:** Operating 32-104° F (0-40° C)

**Humidity:** 10-90% non-condensing

**Vibration:** ISTA/NSTA IA in carton

**Compliance:** CE, FCC, Class A, Safety EN60950, RoHS

**Warranty:** 3 years

	MONDO III	BNC Switch	MONDO III Advantage
Switch Capability	Video, Stereo Audio & Serial	Video ONLY	3 switches in one platform, Less equipment cost
Extension Capability	Built-in	Requires external extension system	Reduces equipment costs
Connectors	1 RJ-45 per I/O	5 BNC per I/O	Less cable clutter/cost and easier to install
Size	64x16in 4U, 64x64 in 16U	32x32in 12U, 64x64 in 32U	Uses significantly less rack space
Max Configuration	256x512	128x128 (limited availability)	World's largest switching configuration
Scalability	16x16- 256x512	None - Must replace entire unit	Future- proofs investment
Upgradability	Field Upgradable	None - Must replace entire unit	Future- proofs investment



Tel: 860.210.0546

Fax: 860.210.1758

sales@magenta-research.com

www.magenta-research.com