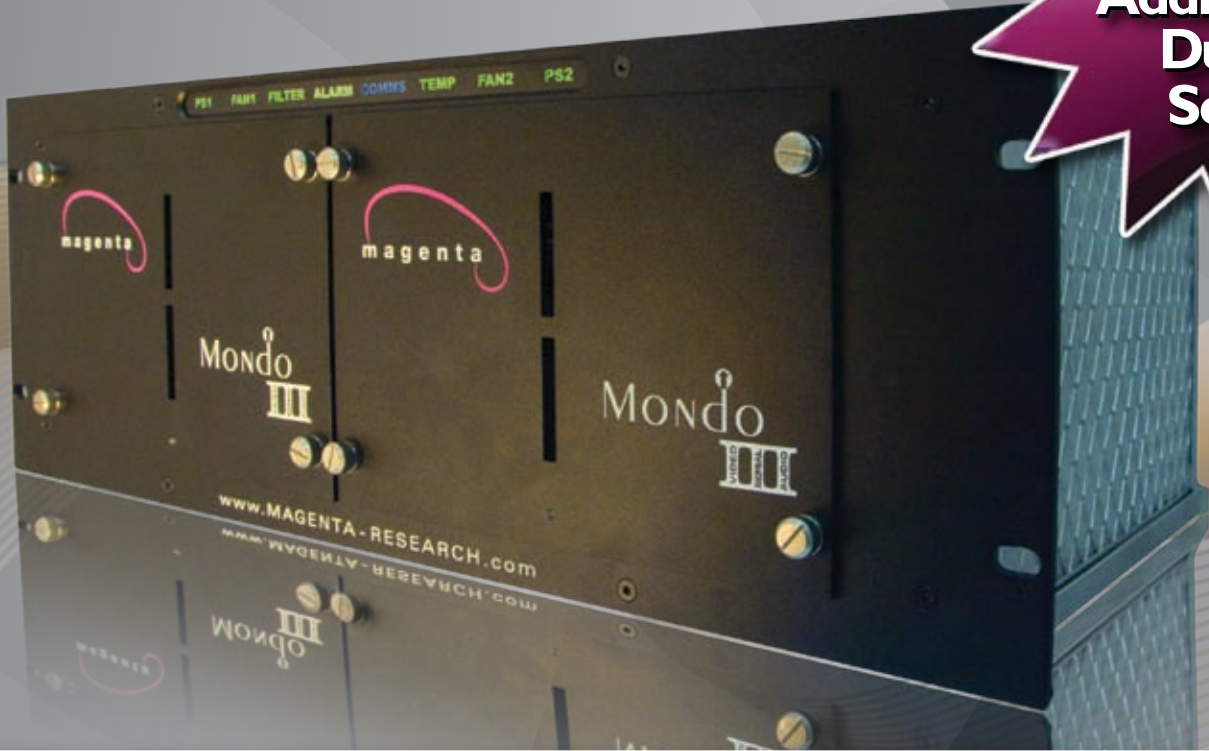


**THE NEW BENCHMARK IN AV FULL MATRIX SWITCHING**

**Now With Optional  
 Addressable  
 Duplex  
 Serial!**



**INTRODUCING MAGENTA'S MONDO MATRIX III**

**A full-matrix switching platform capable of switching and extending hi-definition video, stereo audio and addressable duplex serial signals in one switching platform.**

Building on the incredible success of Mondo Matrix™ II, Magenta's Mondo Matrix™ III offers a host of redundancy and performance improvements over the previous Mondo, all while maintaining price points and offering 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 and provides independent control over each display. 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 while supporting an unprecedented maximum configuration of 256x512.

- ▶ Full-matrix switching & UTP extension
- ▶ Scalable & field upgradable from 16x16 to 256x512
- ▶ Video, stereo & optional addressable duplex serial
- ▶ Compatible with MultiView transmitters & receivers



Mondo III-SAP 64x16 shown

### NEW FEATURES

- ▶ Optional addressable duplex serial
- ▶ Improved redundancy
- ▶ Front panel status indicators
- ▶ Option to add up to eight serial ports
- ▶ Optional network interface
- ▶ Backward compatible with Mondo II

### SAVE EQUIPMENT AND LABOR COST WITH UTP SWITCHING

The Mondo III UTP switching platform delivers significant advantages in functionality, cost, power consumption and installation complexity over BNC-based RGB switches.

	Mondo III	BNC Switch	Mondo III Advantage
<b>Switching Capability</b>	Video, Stereo Audio & Serial (-SAP option adds addressable duplex serial)	Video only	3 switches in one platform. Less equipment cost
<b>Extension Capability</b>	Built-in	Requires external extension system	Reduces equipment cost
<b>Connectors</b>	1 RJ-45 per I/O	5 BNC per I/O	Less cable clutter/cost and easier to install
<b>Size</b>	64x16 in 4U, 64x64 in 16U	32x32 in 12U, 64x64 in 32U	Uses significantly less rack space
<b>Max configuration</b>	256x512	128x128 (limited availability)	World's highest switching configuration
<b>Scalability</b>	16x16 - 256x512	None - must replace entire unit	Future-proofs investment
<b>Upgradability</b>	Field Upgradable	None - must replace entire unit	Future-proofs investment

### FULLY COMPATIBLE WITH THE MULTIVIEW™ SERIES

With built-in support for UTP extension, the Mondo III combined with Magenta's MultiView transmitters and receivers reduces extension equipment requirements by 50% and enables extension of HD-quality video, stereo audio and serial signals over an unsurpassed range of 2000ft/609m.

#### Mondo Direct Option Adds Transmitter Integration

##### Mix and match Mondo Direct inputs & UTP inputs

A single 4U chassis can be equipped with 32 Mondo Direct inputs or 16 Mondo Direct inputs and up to 32 UTP Inputs



Mondo III 16Vx16 shown

### PROTECT YOUR INVESTMENT

Mondo III delivers a modular platform which is scalable from 16x16 to an unmatched switching capacity of 256x512. It also future-proofs your investment by allowing for additional inputs and outputs to be added in the field in increments of 16. With the Mondo III, you can minimize your capital expenditure to today's needs while ensuring cost-effective upgradability for the future.

#### AUDIO:

Audio signals are ported into the Mondo III Matrix via MultiView components or via a 3.5mm stereo audio jack for Mondo Direct. The type of transmitters and receivers used therefore defines audio specifications. Please refer to the spec sheets for those components.

#### RS-232 SERIAL:

Serial signals are ported into the Mondo III via MultiView components or via a 3.5mm audio jack for simplex serial in a Mondo Direct. Transmission is uni-directional broadcast in this mode. Mondo III-SAP versions allow bi-directional serial sessions with individual receivers.

#### TOUCH CONTROL:

Controlling a Mondo has never been easier! The optional Mondo TC mounts in 3U, grants switch operators touch control and adapts to any size switch. Custom label inputs and outputs for easy recognition & switch audio/serial independently of video.



### SPECIFICATIONS

#### Video, Audio & Control Signals

Configuration/frame	16x16 - 64x16 (16 input increments)
Video Input	100 ohm balanced, 1-V p-p
Dynamic headroom	>3dB
Coupling & Gain	DC, unity gain
Signal type	RGBHV, Component, Y/C, Composite
Inputs/4U Frame	16xN (max 64) RJ-45 Female
Loop out	16xN (max 64) RJ-45 Female
Outputs/4U Frame	16 RJ-45 Female
Audio Signals	MultiView Component Dependent
Control	RS-232/RS-422
Switch Control Interface	10-pin Phoenix
Aux Serial Ports	2x DB9 (Option for up to 8)
Network Interface	RJ-45 Female (Optional)

#### Mechanical

<b>Rackmount Enclosure</b>	Standard 4U, 19" EIA Front Panel: Powder Coat; Chassis: Passive Aluminum
<b>Dimensions</b>	7.0"H x 19"W x 10.25"D 178H x 483W x 260D mm
<b>Weight</b>	Fully populated 16.6 lbs.(7.5 kg)
<b>Other</b>	
<b>Power Input</b>	90-264V/50-60Hz, 150W Max
<b>Switch Speed</b>	50ns from Command Recognition
<b>Temperature</b>	Operating: 32°-104°F (0o-40°C) Storage: 40°-158°F (-40o-70°C)
<b>Humidity</b>	10-90% non-condensing
<b>Vibration</b>	ISTA/NSTA IA in Carton
<b>Compliance</b>	CE, FCC Class A, Safety EN60950, RoHS
<b>Warranty</b>	3 Years