

ARCHITECTURAL SPECIFICATIONS

Mondo III Digital Video UTP Matrix

Mondo III Matrix, PN# 222R3001

(HDCP compliant - HDMI, DVI, VGA, Component, Composite, S-Video, Audio, RS232 Control, UTP Switch)

DESIGN

- Digital Media Switcher shall include a 3 year warranty with system support for 3 years after discontinuance of the product.
- Digital Media Switcher shall provide end-to-end distribution of analog and digital audio, plus video including Analog (VGA, component, S-Video, composite, HDMI, DVI w/ HDCP, and RS232 control. Digital Media Switchers that do not provide end-to-end distribution of analog and digital audio, plus video including Analog (VGA, component, S-Video, composite, HDMI, DVI w/ HDCP, and RS232 control shall not be accepted.
- Digital Media Switcher must independently route Video, Audio and RS232. Digital Media Switchers that do not independently route Video, Audio and RS232 shall not be accepted.
- Digital Media Switcher shall provide 64x16 in 4 RU. Digital media switchers that do not will not be accepted.
- Digital Media Switcher must support the following distances based on a single UTP type cable; CAT 5, 5e, 6, and 6a 1080p @60hz to a distance of 1200ft (365 meters) Digital Media Switchers that do not support these CAT cable specific distances shall not be accepted.
- Digital Media Switcher must support RJ45 terminated UTP cable. Digital Media Switchers which are not capable of accepting this type of cable will not be accepted.
- Digital Media Switcher must NOT utilize HDBaseT to extend and transport video, audio, and control. Digital Media Switchers that utilize HDBaseT will not be accepted.
- Digital Media Switcher must have built in redundant power supplies. Digital Media Switchers that do not have built in redundant power supplies shall not be accepted.
- Digital Media Switcher must support a maximum configuration of 256x512 by adding and cascading matrix frames, providing a full matrix which can expand and grow without removing any hardware. Digital Media Switchers that do not have the ability to expand to 265x512 will not be considered.
- Digital Media Switcher must have a loop through port for every input providing the ability to cascade matrix frames and/or dedicated normalised outputs. Digital Media Switchers without loop through ports on every input will not be accepted.
- Transmitters must be able to cross convert a digital video signal to an analog receiver. Transmitters unable to cross convert will not be accepted
- In addition to video, transmitters and receivers must allow the 4th pair of CAT cable to provide the following options: Audio only, Simplex Rs-232 only, or Stereo Audio with Bidirectional Rs-232 including poll-able Rs-232 distribution. All these options must be provided with or without a Matrix. Transmitters and receivers unable to provide these functions via a single CAT cable are not acceptable.

PROGRAMMING

- The Mondo III Matrix is configurable from 16x16 to 256x512
 - Mondo TC: Touch Screen Control for Mondo III (2211061-01)
- Compatible Multiview Transmitters and Receivers:

2620001-02	MultiView II STx Transmitter
2620002-03	MultiView II XRTx-A/-S Universal Transmitter
2620003-02	MultiView II T4-A/-S Four Port Transmitter
2620063-02	MultiView II DVI Transmitter – A/-S
2620016-04	MultiView II XRTx-SAP Universal Transmitter, addressable serial and stereo audio
2620066-02	MultiView II DVI-SAP Transmitter
2620050-02	MultiView Octet-SAP 1x8 Kit
	Receivers
2620006-02	MultiView II AK600DP-A Receiver
2620007-02	MultiView II AK600DP-A Receiver with AkuComp II
2620009-02	MultiView II AK1200DP-A Receiver with UTP out daisy chain port and AkuComp II
MVII-DVI-RX-1K-S/A	MultiView II DVI-Rx-1k-A Receiver with Audio/Serial and Skewcomp
2620018-03	MultiView II AK600DP-SAP Receiver, addressable serial and stereo audio
2620019-03	MultiView II AK600DP-SAP Receiver, addressable serial and stereo audio with AkuComp II
2620030-03	MultiView II AK1200DP-SAP Receiver, addressable serial and stereo audio with AkuComp II
MVII-DVI-RX-1K-SAP	MultiView II DVI-Rx-1k-SAP Receiver, duplex addressable serial with skewcomp
	Distribution Amplifier
221R1029-01	MultiView 9D 1x9 CAT Distribution Amplifier
	High Density Transmitter Chassis and Cards
400R3314-01	Morph-It 4U 16 slot frame w/ powered backplane
400R3381-01	Morph-It-A/-S Dual MultiView Transmitter Card, audio or simplex serial (single-slot)
400R3382-01	Morph-It-A/-S Dual MultiView Transmitter Card with local monitor out, audio or simplex serial (*double-slot)
400R3871-02	Morph-It-SAP Dual MultiView Transmitter Card, stereo and addressable serial w/ local monitor (*double-slot)
400R3308-01	Morph-It Dual MultiView EQ card (single-slot)

TECHNICAL SPECIFICATIONS

ITEM	DESCRIPTION
Cable Requirements	RJ-45, T568B Terminated Cat 5, 5e, 6, 6a F/UTP cables.
Compliance	CE, FCC Part 15, NRTL Listed.
Serial Characteristics	Default Serial Format: 9600 baud rate Available Baud Rates: 9600, 19200, 38400, 57600, 115200 no parity, 8 data bits, 1 stop bit, no flow control
Connectors	Input connector: RJ-45 Female Loop out connector: RJ-45 Female Output Connector: RJ-45 Female Serial: 8, DB-9F Interface connector (input): DB-9F or 7 position phoenix Interface connector (I/O): 3 or 7 position phoenix (used for legacy mode only)
Temperature Tolerance	Operating: 32 to 104°F (0 to 40°C); Storage: -40 to +158°F (-40 to +70°C)
Humidity Tolerance	10% to 90%, non-condensing
Air Filter	Recommended service interval: 30 days
Enclosure Type	Front Panel: Powder coat over aluminum Enclosure: Aluminum
Power	110 - 240VAC, 50/60Hz, Fused input. Replace fuse with same rating: 250V, 2.5A, Slow Blow, 5x20mm 2 independent fully redundant AC Mains inputs
Power consumption	60 watts maximum per 64x16 4 RU chassis (fully populated)
BTU	205 BTU/hr
Size	7.0" H x 19" W x 10.25" D (178 mm H x 483 mm W x 260 mm D)
Weight	16.6 lbs (7.5 kg) fully populated (shipping weight: 24 lbs (10.9 kg))
MTBF	100,000 hours
Rack Mount	Standard, 4U 19" EIA