AVPro edge

18GBPS 16X16 MATRIX SWITCH
ULTRA LOW PROFILE CHASSIS
BUILT FOR TRUE 4K60 4:4:4

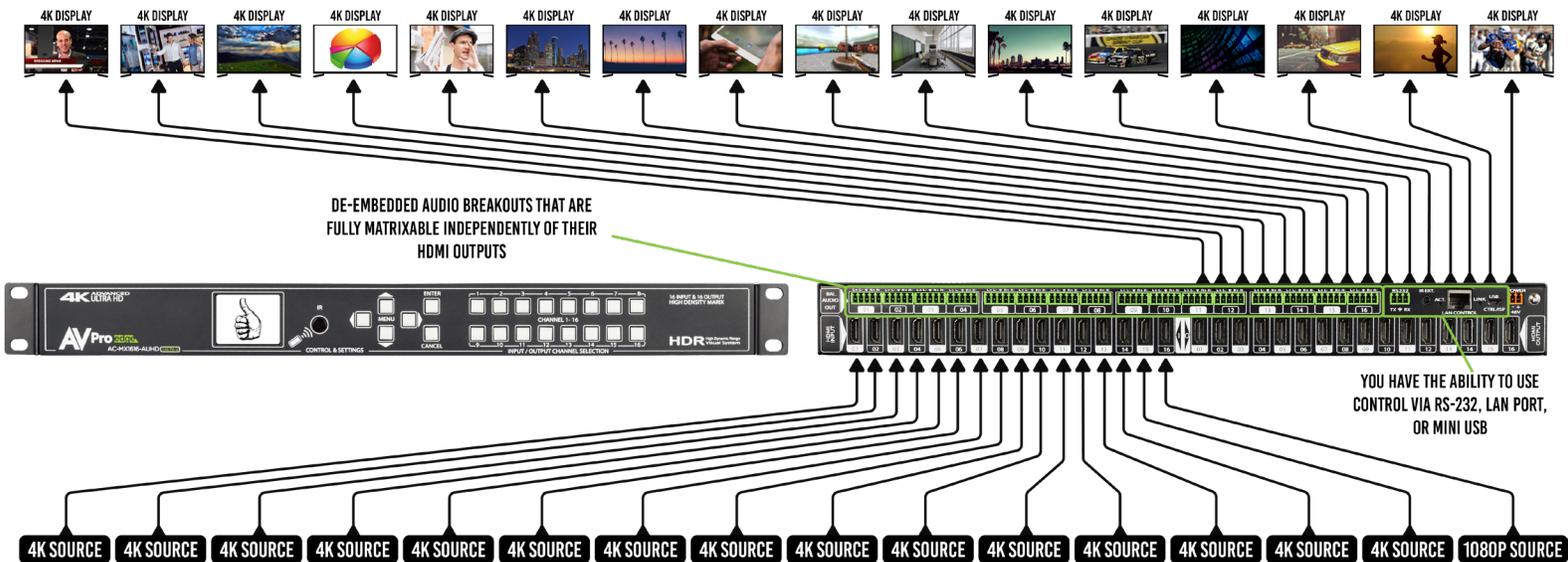### AC-MX1616-AUHD-GEN2

A TRUE HIGH BANDWIDTH POWERHOUSE. THIS UNIT HAS 16 HDMI INPUTS AND 16 HDMI OUTPUTS, EACH OUTPUT IS FULLY MATRIX-ABLE, ALLOWING THE USER TO SWITCH BETWEEN ANY OF THE INPUTS TO ANY OF THE OUTPUTS. ON TOP OF THAT THIS MATRIX COMES WITH 16 ANALOG AUDIO DE-EMBEDDING OUTPUTS WITH 5 PIN PHOENIX CONNECTIONS THAT ARE FULLY MATRIX-ABLE SEPARATELY FROM THE VIDEO SIGNAL PLUS. SUPPORTING THE FULL HDMI 2.0A/B SPECIFICATION AND EVERY FLAVOR OF HDR, THIS MATRIX WILL ENSURE YOU CAN GET THE MOST OUT OF ANY SYSTEM.

Our unique design has allowed us to improve high bandwidth switching speeds. The AC-MX1616-AUHD-GEN2 has an industry best average speed of less than 3 seconds. This is phenomenal considering the advanced level of actual, uncompressed, high bandwidth with HDR switching. Maximum compatibility and speed immensely improves the customer experience. Additionally, this unit supports uncompressed HDR formats, including HDR, HDR10, HDR10+, Dolby Vision, HLG, BBC and NHK (all in 4K 60Hz and up to 12-Bit Deep Color). All color space compression is compatible as well. The sleek, low-profile and high-density design make for a sleek machine that saves you valuable space in the rack room. This combined with a LED setup screen on the front that makes setup and management a breeze will make this a staple in your large demanding installations!

DE-EMBEDDED AUDIO BREAKOUTS THAT ARE FULLY MATRIXABLE INDEPENDENTLY OF THEIR HDMI OUTPUTS

YOU HAVE THE ABILITY TO USE CONTROL VIA RS-232, LAN PORT, OR MINI USB

PRODUCT SPECIFICATIONS

VIDEO	
VIDEO RESOLUTIONS	UP TO 4K 60HZ 4:4:4
VESA RESOLUTIONS	UP TO DCI 4K (4096x2160) 5K (UP TO 5120x3200)
HDR FORMATS/RESOLUTIONS	420, 422, 444 (10 AND 12 DEEP COLOR), HDR10, HDR10+, DOLBY VISION, HLG, BBC, NHK
COLOR SPACE	YUV (COMPONENT), RGB (CSC: REC. 601, REC. 709, BT2020, DCI, P3 D6500)
CHROMA SUBSAMPLING	4:4:4, 4:2:2, 4:2:0 SUPPORTED
DEEP COLOR	UP TO 16 BIT (1080), UP TO 12 BIT (4K)
AUDIO	
AUDIO FORMATS SUPPORTED (HDMI)	PCM 2.0 CH, LPCM 6CH & 7CH , DOLBY DIGTAL, DTS 5.1, DOLBY DIGITAL PLUS, DOLBY TRUEHD, DTS-HD MASTER AUDIO, DTS-X, DOLBY ATMOS
AUDIO FORMATS SUPPORTED EXTRACTED (HDMI)	PCM 2 CH
AUDIO EXTRACTION LOCATION	BIND TO INPUT, BIND TO OUTPUT OR MATRIX (INDEPENDENT)
DISTANCE	
HDMI IN/OUT (4K60 4:4:4)	UP TO 40 METERS (BULLET TRAIN AOC)
HDMI IN/OUT (W/AOC CABLE) (4K60 4:4:4)	UP TO 40 METERS (BULLET TRAIN AOC)
OTHER	
BANDWIDTH	18 GBPS
HDCP	HDCP 2.2 AND EARLIER
CONTROL	
PORTS	LAN, RS232, IR
DRIVERS	C4, RTI, ELAN, CRESTRON, URC (AND MORE, SEE DRIVERS PAGE)
PC SOFTWARE	YES
LAN WEBOS	YES
PORTS	
HDMI	TYPE A
LAN	RJ45 W/ WEB INTERFACE/CONTROL
AUDIO (EXTRACTED ANALOG)	5 PIN
IR RX	3.5MM STEREO (3 CONDUCTOR)
RS-232	3 PIN TERMINAL BLOCK
ENVIRONMENTAL	
OPERATING TEMPERATURE	23 TO 125°F (-5 TO 51°C)
STORAGE TEMPERATURE	-4 TO 140°F (-20 TO 60°C)
HUMIDITY RANGE	5-90% RH (NO CONDENSATION)
POWER	
POWER CONSUMPTION (TOTAL)	92 WATTS MAX
POWER SUPPLY (MATRIX)	INPUT: AC 100-240V ~ 50/60HZ OUTPUT: DC 48V 3A
DIMENSIONS	
DIMENSIONS - UNIT ONLY (HEIGHT/DEPTH/WIDTH)	MM: 50.8 X 260.35 X 441.33 INCH: 2 X 10.25 X 17.375
DIMENSIONS - PACKAGED (HEIGHT/DEPTH/WIDTH)	MM: 88.9 X 444.5 X 495.3 INCH: 3.5 X 17.5 X 19.5
RACK UNITS	1 UNIT
WEIGHT (UNIT)	11 LBS/5 KG
WEIGHT (PACKAGED)	15 LBS/7 KG

*SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE. MASS & DIMENSIONS ARE APPROXIMATE.

PRODUCT FEATURES

- HDMI 2.0(a/b)
- 18Gbps Bandwidth Support
- 4K60 4:4:4 Support
- Ultimate HDR Support (HDR 10 & 12 Bit)
- Dolby Vision, HDR10+ and HLG Support
- HDCP 2.2 (and all earlier versions supported)
- Simple setup with front panel control screen
- Built-in test pattern on every output
- WebOS for simple connectivity and control/management
- Ultra-Low Profile (1U)
- Fast Switching
- Advanced EDID Management
- Analog Audio De-embedding with 5 pin Phoenix connections
- IR, RS-232 and LAN Control Options
- 2Ch Analog Audio De-embedding
- Driver Support for Crestron, C4, RTI, ELAN and more
- Extracted Audio now has 3 operating modes: Bound to Input, Bound to Output, or Independent Matrix