



# AV Pro edge

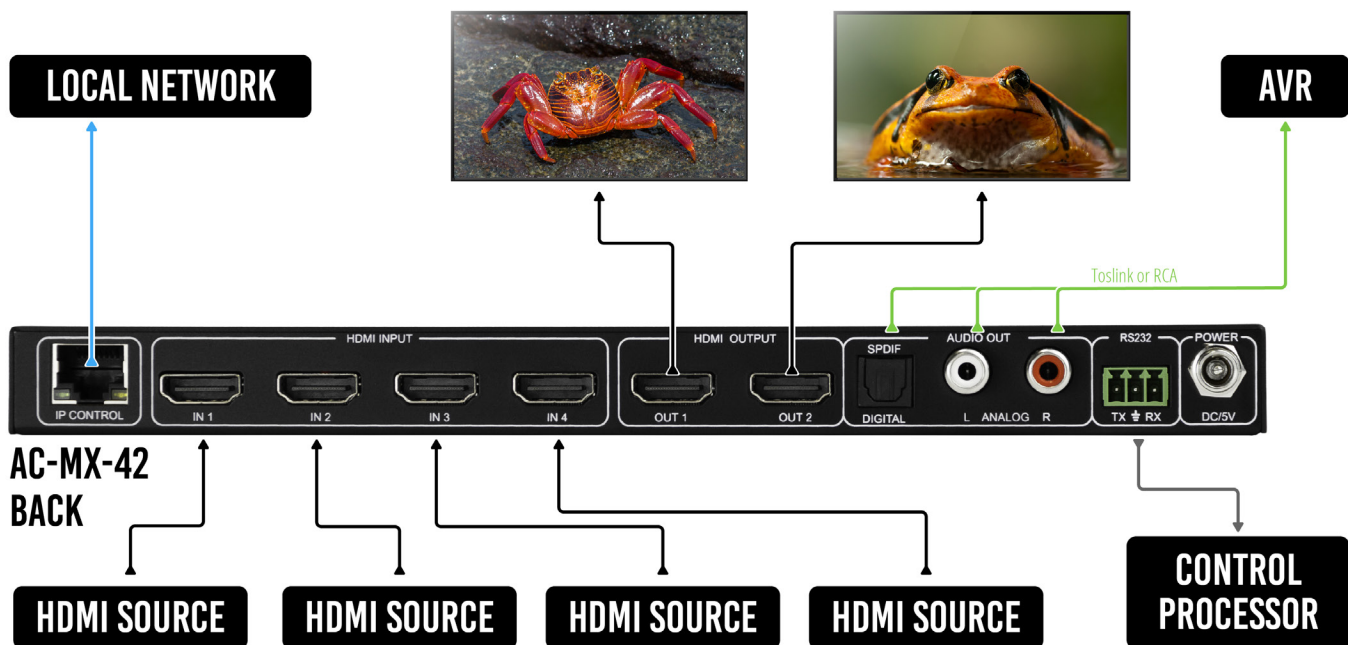
**HDR**  
**HDMI® HDCP™**  
HIGH-DEFINITION MULTIMEDIA INTERFACE HIGH-BANDWIDTH DIGITAL CONTENT PROTECTION

## 18Gbps 4K60 (4:4:4) 4x2 MATRIX SWITCH AC-MX-42

The AC-MX-42 is a 4x2 HDMI matrix switch. Supporting HDMI 2.0(a/b), HDCP 2.3, up to 4K video resolution, and up to 18Gbps bandwidth. This switch allows any source (Blu-ray, satellite receiver, game consoles, PCs, etc. ) to show on any connected displays. In addition, this matrix equalizes and amplifies the output to ensure the HDMI signal will transmit through long HDMI cables without loss of quality.



The AC-MX-42 is ideal for bypassing AVRs that do not support full 18Gbps. Instead of bottlenecking video quality through a legacy audio device that can't handle 18Gbps. Integrators can run down-scaled video to a legacy audio device and send uncompressed HDMI to the display. Audio remains untouched on a down-scaled output, making it an ideal component for systems where high bit rate audio is critical.





<b>VIDEO:</b>	
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
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)
<b>AUDIO:</b>	
AUDIO FORMATS SUPPORTED HDMI	PCM 2.0 CH, LPCM 5.1 & 7.1, DOLBY DIGITAL, DTS 5.1, DOLBY DIGITAL PLUS, DOLBY TRUEHD, DTS-HD MASTER AUDIO, DTS-X, DOLBY ATMOS
AUDIO FORMATS SUPPORTED EXTRACTED (TOSLINK)	PCM 2.0 CH, LPCM 6 CH, LPCM 7 CH, DOLBY DIGITAL, DOLBY DIGITAL PLUS, DTS- MASTER AUDIO
AUDIO FORMATS SUPPORTED EXTRACTED (2CH PORT)	PCM 2 CH
AUDIO EXTRACTION LOCATION	FOLLOWS OUTPUT (SELECTABLE)
<b>DISTANCE:</b>	
HDMI IN/OUT (4K60 4:4:4)	UP TO 50 FEET (USING BULLET TRAIN HDMI)
HDMI IN/OUT (W/ AOC CABLE) (4K60 4:4:4)	UP TO 130 FEET (USING BULLET TRAIN AOC)
<b>OTHER:</b>	
BANDWIDTH	18 GBPS
HDCP	HDCP 2.2 AND EARLIER
<b>CONTROL:</b>	
PORTS	LAN, RS232, IR WINDOW
DRIVERS	C4, RTI, ELAN, CRESTRON, URC (FOR MORE INFORMATION - SEE DRIVERS PAGE ON AVPROEDGE.COM/DRIVERS)
LAN WEBOBS	YES
<b>PORTS:</b>	
HDMI	TYPE A
LAN	RJ45 W/ WEB INTERFACE/ CONTROL
AUDIO (EXTRACTED DIGITAL)	TOSLINK
AUDIO (EXTRACTED ANALOG)	L/R AUDIO
IR RX	WINDOW ONLY (REMOTE INCLUDED)
RS232	3 PIN TERMINAL BLOCK
<b>ENVIRONMENTAL:</b>	
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)
<b>POWER:</b>	
POWER CONSUMPTION (TOTAL)	7 WATTS MAX
POWER SUPPLY - MATRIX	INPUT: AC 100-240V ~ 50/60HZ OUTPUT: DC 5V 2A
<b>DIMENSIONS:</b>	
DIMENSIONS (UNIT ONLY - HEIGHT/DEPTH/WIDTH)	MM: 20.5 X 94 X 232.98 INCH: .9 X 3.7 X 9.17
DIMENSIONS (PACKAGED LENGTH/WIDTH/HEIGHT)	MM: 76.2 X 184.1 X 317.5 INCH: 3 X 7.25 X 12.5
WEIGHT (UNIT)	2 LBS (.9 KG)
WEIGHT (PACKAGED)	5 LBS (2.26 KG)
*SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE. MASS & DIMENSIONS ARE APPROXIMATE	

## IN THE BOX:

- AC-MX-42 (Matrix Switch)
- 5V/2A Locking Power Supply
- 1 x IR Remote Control
- 1 x 3 Pin Terminal Connector (For RS232)
- 2 x Mounting Brackets



## FEATURES

- HDMI 2.0(a/b)
- 18Gbps Bandwidth Support
- 4K60 4:4:4 Support
- Full HDR Support (HDR 10 & 12 Bit)
- Dolby Vision, HDR10+ and HLG Support
- HDCP 2.3 (and all earlier versions supported)
- 4K > 1080p Down Scaler (Out 1)
- Perfect AVR Bypass delivering 18Gbps to a display and uncompressed audio to an AVR
- Advanced EDID Management
- IR, RS-232, and LAN Control Options
- Digital Toslink Out (7CH PCM, DD, DTS)
- Balanced Analog Out (2CH PCM)
- Down-scaling mode for mixed systems
- Driver Support for Crestron, C4, RTI, ELAN, and more
- Extracted Audio Supports DD+, DTS Master Audio on Toslink
- Extracted Audio bound to output 1 or 2