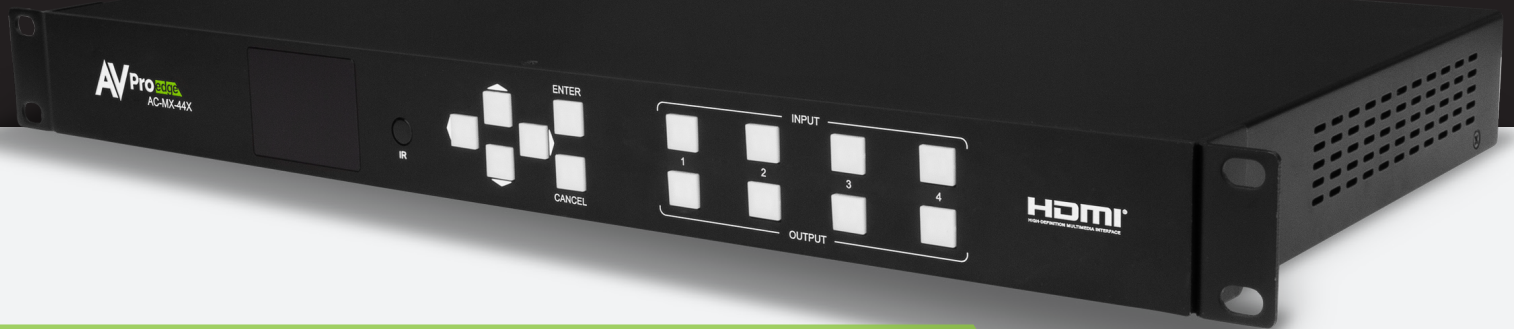




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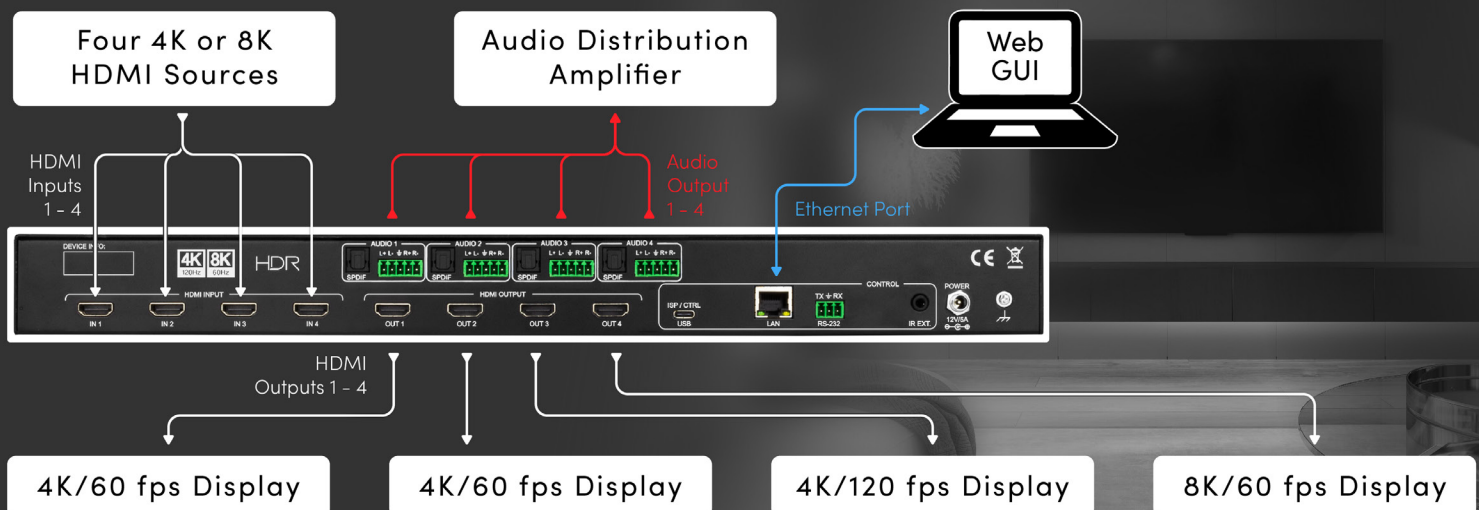


48Gbps 4x4 Matrix Switch AC-MX-44X

AVPro again establishes an industry-leading, state-of-the-art benchmark in 8K, 48 Gbps uncompressed direct-connection HDMI matrix switching with the AC-MX-44X. Next-gen feature-rich, its versatility provides commercial and residential integrators with high-bandwidth, cross-sector connectivity capabilities for commercial market installations such as Enterprise Collaboration or Hospitality environments and bandwidth-challenging 8K-savvy home entertainment systems.



AC-MX-44X Connection Diagram



PRODUCT SPECIFICATIONS

VIDEO	
Video Resolutions	Up to 8K/60 Hz 4:2:0, 8K/30 Hz 4:4:4, 4K/144 Hz
HDR Formats	Dolby Vision, HDR10, HDR10+, HLG
Color Space	YUV (Component), RGB (CSC: ITU-R BT.601, ITU-R BT.709, ITU-R BT.2020, DCI-P3 D65)
Chroma Subsampling	4:4:4, 4:2:2, 4:2:0
Deep Color	Up to 16-bit (1080p), up to 12-bit (4K), up to 10-bit (8K)
Video Scaling (Optional)	8K to 4K and 8K/4K to 1080p
HDCP	HDCP 2.3 and earlier
Additional HDMI 2.1 Features	ALLM, VRR, QMS, QFT, HFR
AUDIO	
Audio Formats Supported HDMI	LPCM up to 7.1, 192 kHz 24-Bit, Dolby Digital, Dolby Digital Plus, Dolby TrueHD, Dolby Atmos (All Formats), Dolby AC-4, DTS-Digital Surround, DTS-ES Discrete, DTS-HD High Res Audio, DTS-HD Master Audio, DTS:X
Audio Formats Supported Extracted (S/PDIF)	LPCM up to 5.1, 96 kHz 24-bit, Dolby Digital 5.1, DTS-HD High Resolution Audio
Audio Formats Supported Extracted (2-Ch. Port)	PCM 2-Ch.
Audio Extraction Location	Bind to Input, Bind to Output, or Matrix (Independent)
Audio Delay (Per Output, Extracted)	Up To 630 ms
DISTANCE	
HDMI In/Out (4K/60 Hz 4:4:4)	Up to 50 ft.**
HDMI In/Out (w/ AOC Cable) (4K/60 Hz 4:4:4)	Up to 130 ft.**
CONTROL	
Ports	LAN, RS-232, IR
Drivers	C4, RTI, ELAN, CRESTRON, URC (others available)
Web Interface	Yes
PORTS	
HDMI	Type-A
LAN	RJ45 w/ Web Interface & Control
Audio (Extracted Digital)	S/PDIF
Audio (Extracted Analog)	5-pin Euroblock (Balanced)
IR Extension RX	3.5 mm Stereo (3-Conductor)
RS-232	3-pin Euroblock
ISP/CTL	USB Type-C
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)	40 W Max
Power Supply	Input: 100-240 VAC ~ 50/60 Hz Output: 12 VDC , 5 A
PHYSICAL / DIMENSIONS	
Mounting	1-RU Rack Mounting Brackets Rubber Feet
Dimensions (Unit Length/Width/Height)	mm: 225.425 X 439.7502 X 44.45 inches: 8.875 X 17.313 X 1.75
Dimensions (Packaged Length/Width/Height)	mm: 375.65 x 565.15 x 125.39 inches: 14.75 x 22.25 x 4.93
Weight (Unit)	6.65 lbs. (3.18 kg)
Weight (Packaged)	9.7 lbs. (4.39 kg)
Regulatory	CE/FCC
Product Warranty	10 Years

*Specifications subject to change without notice. Mass & dimensions are approximate
**Distances achieved with Bullet Train HDMI and AOC cables

KEY BENEFITS

- **Full 8K Ultra HD, Uncompressed 48 Gbps Bandwidth** - The AC-MX-44X is fully compatible with all specified ITU 8K timings and bit rates. Its capabilities are future-forward through the complete evolution of the 8K format, making it a unique, invest-once product.
- **5K Ultrawide 21:9 Aspect Ratio Capable** - Synergistically supports 5K ultrawide 21:9 aspect ratio monitors and collaboration-configured displays.
- **4K/144 Hz Support** - Match next-gen display performance with 4K/144 Hz extended frame rate support for ultra-sharp visuals with impressively smooth motion, enhanced gaming performance, and general computing with reduced motion blur and increased responsiveness.
- **HDMI 2.1 Capabilities** - Features essential for a next-level, high-quality gaming experience include ALLM, HFR, QFT, QMS, and VRR.
- **Integrated User and End-user Interface-** The integrated User Interface simplifies installation and configuration for installers and IT personnel. A custom, easy-to-use, limited-access interface can be created for end-users (hospitality and office employees or homeowners).
- **Audio Delay, Audio De-embedding, Downscaling, EDID management, and Test Pattern Generation** - AVPro hallmark features that provide valuable tools to fine-tune and maintain projects and provide a positive client experience.

