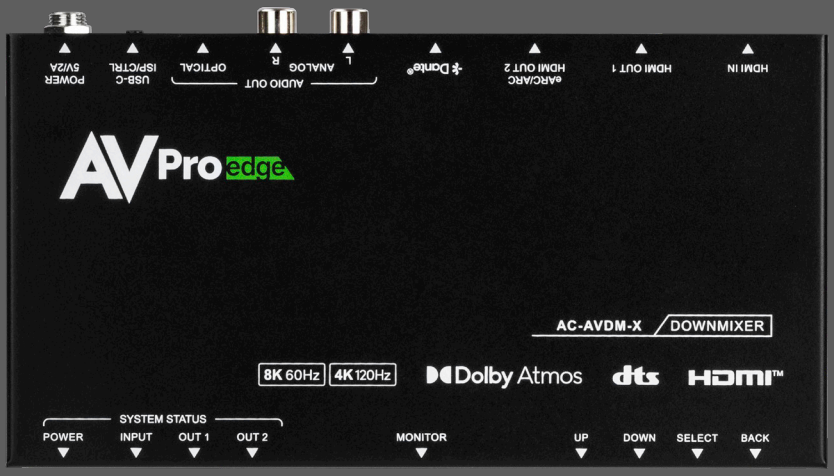
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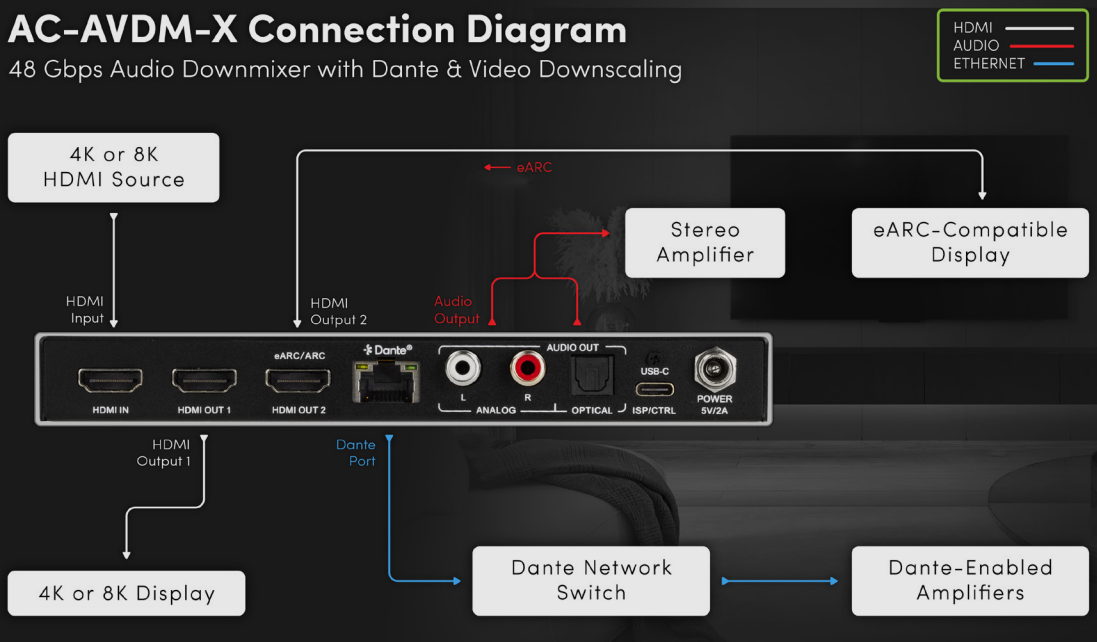
8K HDMI 8-Channel Audio Downmixer

AC-AVDM-X

AC-AVDM-X is an 8K UHD HDMI audio decoder designed to extract and convert advanced audio formats without compromising video quality. It supports decoding of Dolby® and DTS® formats, including Dolby Atmos® and DTS:X®, and outputs stereo LPCM 2.0 over HDMI™, optical, analog RCA connections, and Dante ethernet. While supporting passthrough of HD, standard bitstream formats, and LPCM 7.1 with sampling rates up to 192 kHz. With support for high-bandwidth video (up to 48 Gbps), the AC-AVDM-X delivers simultaneous high-quality audio extraction and uncompressed video passthrough for professional AV installations.

AC-AVDM-X Connection Diagram

48 Gbps Audio Downmixer with Dante & Video Downscaling



PRODUCT SPECIFICATIONS

VIDEO:	
VIDEO RESOLUTIONS	UP TO 8K 60HZ 4:4:4/8K 30HZ 4:4:4/4K 120HZ
HDR FORMATS/RESOLUTIONS	HDR10, HDR10+, HLG, DOLBY VISION™
COLOR SPACE	YUV (COMPONENT), RGB (CSC: REC. 501, REC. 709, BT2020, DCI, P3 D6500)
CHROMA SUBSAMPLING	4:4:4, 4:2:2, 4:2:0 SUPPORTED
DEEP COLOR	UP TO 16-BIT
DOWNSCALING (OUTPUT 1)	4K TO 1080P
BANDWIDTH	48 GBPS (FRL 6)
HDCP	HDCP 2.3 AND EARLIER
AUDIO:	
SUPPORTED AUDIO FORMATS (HDMI PASS-THROUGH)	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®
SUPPORTED DOWNMIXED AUDIO FORMATS (2-CH, TOSLINK, S/PDIF, HDMI)	LPCM UP TO 2.0, 96 KHZ 24-BIT, DOLBY DIGITAL 5.1, DOLBY DIGITAL PLUS, DTS-HD HIGH RESOLUTION AUDIO, DTS-DIGITAL SURROUND, DTS-ES DISCRETE
AUDIO FORMATS SUPPORTED EXTRACTED (DANTE)	PCM 2 CH
DISTANCE:	
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)
OTHER:	
BANDWIDTH	48 GBPS (FRL 6)
HDCP	HDCP 2.3 AND EARLIER
PORTS:	
HDMI (TX & RX)	TYPE A (1 INPUT AND 2 OUTPUTS)
AUDIO (EXTRACTED ANALOG)	L/R STEREO PHONO (SINGLE-ENDED)
AUDIO (EXTRACTED TOSLINK)	OPTICAL TOSLINK
DANTE	DANTE NETWORK ETHERNET
ISP/CTL	USB TYPE-C
POWER	LOCKING BARREL TYPE CONNECTOR
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)	6 WATTS MAX
POWER SUPPLY	INPUT: AC 100-240V ~ 50/60HZ | OUTPUT: DC 5V/2A
DIMENSIONS:	
DIMENSIONS (UNIT ONLY LENGTH/WIDTH/HEIGHT)	MM: 150.88 X 75.44 X 20.6375 | INCH: 5.94 X 3.375 X .81
DIMENSIONS (PACKAGED LENGTH/WIDTH/HEIGHT) (KIT)	MM: 76.2 X 75.44 X 304.8 | INCH: 3 X 2.97 X 12
WEIGHT (UNIT)	0.68 LBS (0.31 KG)
WEIGHT (PACKAGED)	1.21 LBS (0.55 KG)
REGULATORY	CE/FCC
PRODUCT WARRANTY	10 YEARS

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

KEY FEATURES

- **8K, 48Gbps Support (FRL 6):** High bandwidth signaling supplies plenty of headroom for current sources and is fully prepared to handle 8K signals from any device using the AC-AVDM-X as a bridge.
- **EDID Management and EDID Blend:** 16 different EDID settings, including User Copy to retrieve the EDID from the connected display, enables systems with mixed era technologies to display the same content wherever desired. EDID Blend customization mixes audio and video EDIDs from two different signals for full flexibility and system compatibility.
- **Full HDR Support:** As HDR content evolves with dynamic metadata to enhance storytelling, AVPro Edge 8K devices ensure full fidelity passthrough of advanced HDR formats—including HDR10+, HLG, Dolby Vision, and IMAX Enhanced.
- **Dante / AES67 Networked Audio Output:** Audio is distributed over standard Ethernet with no dedicated audio cable runs, and any Dante device on the network receives the downmix instantly.
- **High Frame Rate Compatibility:** The AC-AVDM-X supports 120fps with 4K or 1080p signals.
- **Audio Downmixing:** There is no need to set your source to 2-channel, no matter what kind of audio this device receives. Converting audio to 2-channel allows you to deliver Dolby Atmos sound to a home theater and 2-channel audio to a bedroom simultaneously.
- **Additional HDMI 2.1 Features:** The AC-AVDM-X embraces key HDMI 2.1 features—Variable Refresh Rate (VRR), Auto Low Latency Mode (ALLM), Quick Media Switching (QMS), and Quick Frame Transport (QFT).

