



**DOLBY AUDIO™**

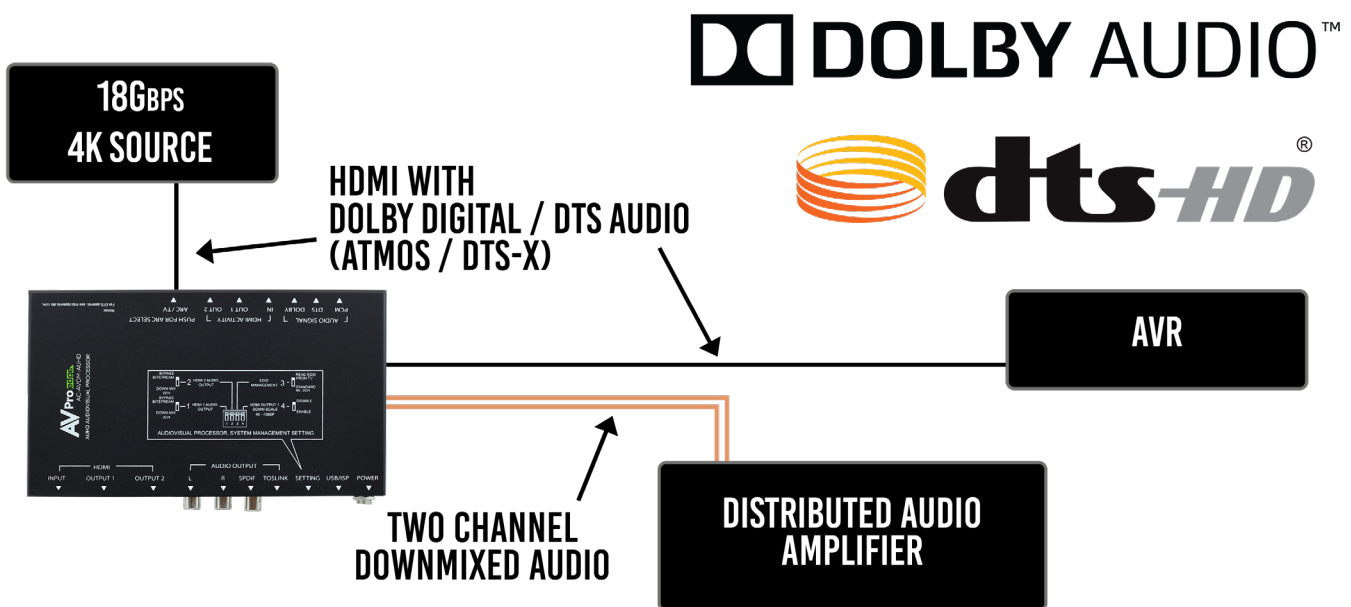
**dts-HD®**

## 18GBPS 8 CH BIT STREAM DECODER/DOWNMIXER AC-AVDM-AUHD

THIS 4K UHD HDMI WITH DOLBY AUDIO™ AND DTS-HD® STEREO AUDIO DECODER SUPPORTS THE TRANSMISSION OF HIGH BANDWIDTH (18GBPS) VIDEO THROUGH HDMI, AND ALLOWS THE ASSOCIATED AUDIO SIGNAL TO BE SIMULTANEOUSLY EXTRACTED AND SPLIT TO BOTH DIGITAL AND ANALOG AUDIO OUTPUTS, PROVIDING HIGH QUALITY AUDIO AND VIDEO PERFORMANCE.



The AC-AVDM-AUHD can decode standard Dolby Audio & DTS-HD formats up to 7.1 and output the audio as stereo (LPCM 2.0) over HDMI, S/PDIF (optical and coaxial) as well as analog RCA connections. It is also able to manage Dolby Atmos signals by extracting 7.1 channels from Atmos and downmixing that audio. It can also support the pass-through of HD and standard bitstream formats as well as LPCM 7.1 with audio sampling rates up to 192 kHz if needed.





SUPPORTS

**DOLBY AUDIO™**



<b>VIDEO:</b>	
VIDEO RESOLUTIONS	UP TO 4K 60HZ 4:4:4
VESA RESOLUTIONS	UP TO DCI 4K (4096X2160)
HDR FORMATS/RESOLUTIONS	4:2:0, 4:2:2, 4:4:4 (10 AND 12 DEEP COLOR) HDR10, HDR10+, HLG, DOLBY VISION
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 PASS THROUGH	PCM 2.0 CH, LPCM 5.1 & 7.1, DOLBY DIGITAL, DTS 5.1, DOLBY DIGITAL PLUS (ATMOS), DOLBY TRUEHD (ATMOS), DTS-HD MASTER AUDIO, DTS-X
AUDIO FORMATS SUPPORTED DOWNMIXED (2CH, TOS, SPDIF, HDMI)	PCM 2.0 CH, LPCM 5.1 & 7.1, DOLBY DIGITAL, DOLBY DIGITAL PLUS (ATMOS), DOLBY TRUEHD (ATMOS), DOLBY ATMOS DTS 5.1, DTS-HD MASTER AUDIO, DTS-X
<b>OTHER:</b>	
BANDWIDTH	18 Gbps
HDCP	HDCP 2.2 AND EARLIER
SCALING	ONE HDMI CAN BE DOWNSCALED TO 1080P
<b>PORTS:</b>	
HDMI (TX & RX)	TYPE A (1 IN & 2 OUT - 1 SCALING)
AUDIO (EXTRACTED ANALOG)	L/R STEREO PHONO (UNBALANCED)
AUDIO (EXTRACTED SPDIF COAX)	PHONO RCA
AUDIO (EXTRACTED TOSLINK)	OPTICAL TOSLINK
USB	MICRO
POWER	BARRELL TYPE, LOCKING
<b>ENVIRONMENTAL:</b>	
OPERATING TEMPRATURE	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)	6 WATTS MAX
POWER SUPPLY	INPUT: AC 100-240V ~ 50/60HZ OUTPUT: DC 5V 2A
<b>DIMENSIONS:</b>	
DIMENSIONS (LENGTH/WIDTH/HEIGHT)	MM: 129 X 92 X 12 INCH: 5.05 X 3.62 X .47
DIMENSIONS (PACKAGED LENGTH/WIDTH/HEIGHT) (KIT)	MM: 203 X 165 X 91 INCH: 8 X 6.5 X 3.6
WEIGHT (UNIT) (TX OR RX EACH ALONE)	.3LBS (.13KG)
WEIGHT (PACKAGED)	2LBS (.90KG)
*SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE. MASS & DIMENSIONS ARE APPROXIMATE	

## FEATURES

- HDMI 2.0A/B INPUT AND OUTPUT WITH 18Gbps
- SUPPORTS RESOLUTIONS UP TO 3840x2160@60 HZ (YUV 4:4:4, 8-BIT) & 4096x2160@60 HZ (YUV 4:4:4, 8-BIT)
- FULL 12 BIT HDR SUPPORT
- HDCP 2.2 AND ALL EARLIER VERSION SUPPORTED
- BYPASS ON HDMI: PCM 2.0 CH, LPCM 5.1 & 7.1, DOLBY DIGITAL, DTS 5.1, DOLBY DIGITAL PLUS (ATMOS), DOLBY TRUEHD (ATMOS), DTS-HD MASTER AUDIO, DTS-X
- DOWNMIX TO 2 CH: LPCM 5.1 & 7.1, DOLBY DIGITAL, DTS 5.1, DOLBY DIGITAL PLUS (ATMOS), DOLBY TRUEHD (ATMOS), DTS-HD MASTER AUDIO, DTS-X
- PROPRIETARY AUDIO DECODER MODULE
- TWO HDMI OUTPUTS SIMULTANEOUSLY ACTIVE
- ONE HDMI DOWN-SCALING OUTPUT
- INTEGRATED DIGITAL INTERPOLATION FILTER AND DIGITAL-TO-ANALOG CONVERTER (DAC) ARC (AUDIO RETURN CHANNEL MANAGEMENT)