

HDMI 8K Audio De-Embedder
w/ ARC

Extract audio signals from an HDMI source or ARC-compatible TV

MPN: AUD-DEBED-8K



The KanexPro AUD-DEBED-8K HDMI audio de-embedder can extract audio signals from an HDMI source or ARC-compatible TV to output analog stereo and digital S/PDIF audio, with a buffered HDMI video output. It supports data rates up to 48Gbps to comply with HDMI 2.1 and HDCP 2.3 requirements. It is compatible with UHDTV 8K@60Hz. It includes several features for ease of integration, such as EDID management and cable equalization. It provides an easy solution for HDMI installations to send audio signals to a stereo audio or surround sound system.

FEATURES

- HDMI 2.1 and HDCP 2.3 compliant
- Support 48Gbps FRL and 18Gbps TMDS video bandwidth
- Support video resolution up to 8K@60Hz 4:2:0 12bit, 4K@120Hz 4:4:4 12bit
- HDMI 2.1 protocols: VRR, ALLM, QMS, QFT, SBTM are supported
- HDR, HDR 10, HDR 10+, Dolby Vision, HLG pass-through
- LPCM 7.1CH, Dolby TrueHD, Atmos and DTS-HD Master, DTS:X Audio pass-through
- HDMI input audio or TV ARC audio de-embedded to S/PDIF and L/R audio output
- Support CEC control from output devices to input sources
- Advanced EDID management
- Compact design for easy and flexible installation

SPECIFICATIONS

TECHNICAL

HDMI Compliance	HDMI 2.1
HDCP Compliance	HDCP 2.3
Video Bandwidth	48Gbps FRL and 18Gbps TMDS
Video resolution	Up to 8K@60Hz (4:2:0) 12bit, 4K@120Hz 4:4:4 12bit
Color space	RGB_4:4:4, YCbCr_4:4:4, YCbCr_4:2:2, YCbCr_4:2:0
Color depth	8/10/12bit
HDR	HDR10, HDR10+, Dolby Vision, HLG
Audio Format: HDMI IN/OUT:	LPCM, Dolby Digital/Plus/EX, Dolby True HD, Dolby Atmos, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD

Mechanical

Housing	Metal enclosure
Color	black
Dimensions	95mm (W) × 68mm (D) × 18mm (H)
Weight	178g
Power Consumption	4W Max
Power Supply	Input: AC 100-240V 50/60Hz Output: DC 5V/1A (US/EU standards, CE/FCC/UL certified)
Operation Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20-90% RH (non-condensing)



Connection

Input	1 x Source IN [HDMI Type A , 19-pin female]
Output:	1 × TV(ARC) OUT [HDMI Type A, 19-pin female] 1 × L/R [3.5mm Stereo mini-jack] 1 × OPTICAL [S/PDIF, female]
Controls:	1 × SERVICE [USB Type C, Update port]

AUDIO BREAKOUT:

OPTICAL OUT	PCM 2.0CH, Dolby, DTS 5.1CH L/R OUT: PCM 2.0CH
ESD protection	Human body model: ±8kV (Air-gap discharge), ±4kV (Contact discharge)

Recommended HDMI Cable	Resolution / Cable Length
HDMI IN / OUT	8K60 6.6ft/2M ~10ft/3M (Ultra HDMI 2.1cable) 4K60 33ft/10M (HDMI 2.0 cable) 1080P 49ft/15M (HDMI cable)

The use of "Premium High Speed HDMI" cable is highly recommended.

APPLICATION DIAGRAM

