



HDMI 2.0 Audio De-embedder 18Gbps

The HDMI 18Gbps Audio Extractor could extract audio signals from any HDMI-compliant source to digital optical or analog stereo L/R audio outputs. Further, both input and output HDMI support video resolution up to 4K2K@50/60Hz (YUV444). It supports 10bits HDR (High Dynamic Range) pass-through and HDMI high resolution digital audio formats bypass, LPCM 2CH, Dolby TrueHD, Dolby Digital Plus, Dolby Atmos, and DTS-HD Master Audio, with audio sampling rate up to 192 kHz. HDCP2.2 and CEC bypass is supported.

Featured Highlights

- HDMI 2.0b (18Gbps), HDCP 2.2, and DVI compliant
- Video resolutions up to 4K2K@50/60Hz (YUV444)
- Extracts HDMI audio to multi-channel optical (SPDIF) or L/R analog audio
- Optical audio supports LPCM 2CH, Dolby Digital 2/5.1CH, DTS 2/5.1CH
- Supports HDMI High Bit Rates (HBR) audio pass-through
- Audio sample rates up to 192kHz
- 10bits HDR (High Dynamic Range) pass-through
- Supports CEC bypass

SPECIFICATIONS

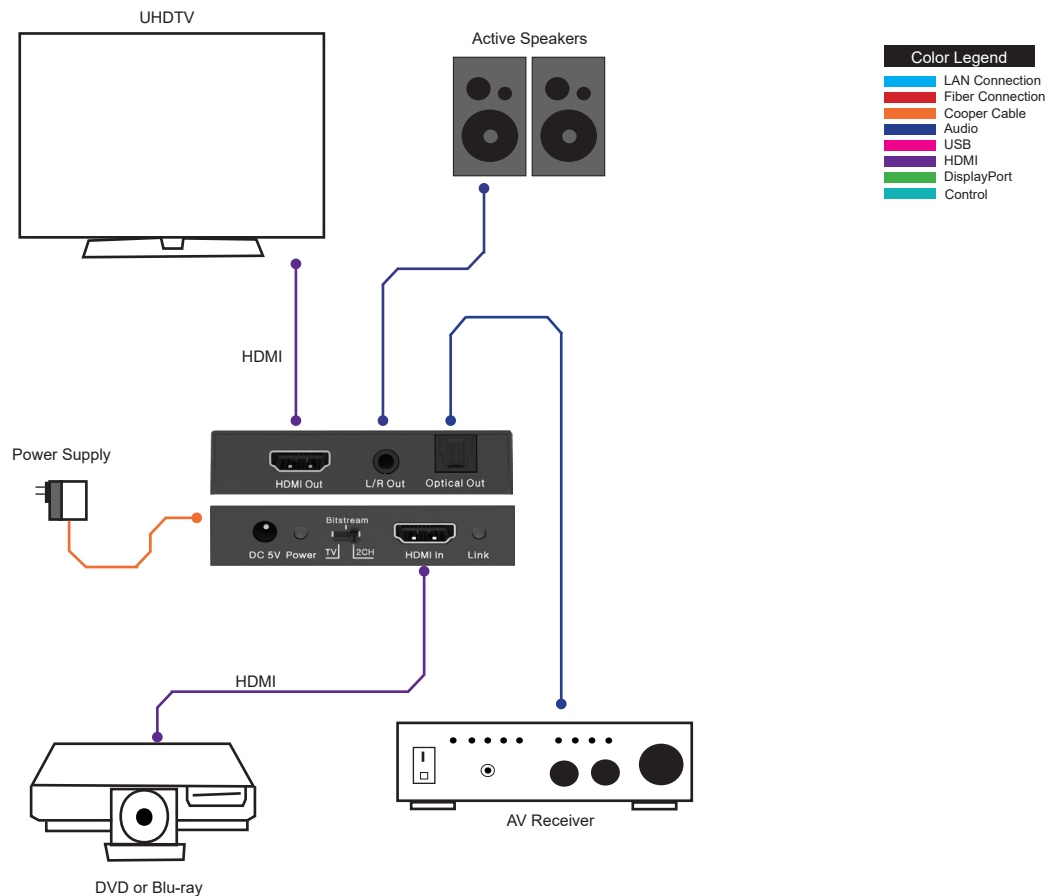
HDCP Compliance	HDCP2.2and HDCP 1.4
Video Bandwidth	18Gbps
Video Resolutions	Up to 4K2K@50/60Hz(YUV4:4:4), 4K2K@30Hz, 1080P@120Hz, and 1080P3D@60Hz
Color Space	RGB, YCbCr 4:4:4, YCbCr 4:2:2
Color Depth	10-bit, 12-bit
HDMI Audio Formats (Pass-through)	LPCM 2/5, 1/7.1 CH, Dolby Digital, DTS5.1, Dolby Digital+, Dolby TrueHD, DTS-HD Master Audio, Dolby Atmos, DTS:X
Optical Audio Formats	LPCM 2CH, LPCM 5.1, Dolby Digital 2/5.1 CH, DTS 2/5.1 CH
L/R Audio Formats	Analog Stereo 2CH
ESD Protection	Human body model — ±8kV (air-gap discharge) & ±4kV (contact discharge)

CONNECTIONS

Inputs	1x HDMI TypeA [19-pin female]
Outputs	1xHDMI Type A[19-pin female] 1x L/R Audio Out [3.5mm Stereo Mini-jack] 1x Optical Out[S/PDIF]

MECHANICAL

Housing	Metal Enclosure
Color	Black
Dimension	73.5mm [W] x 60.7mm [D] x 17mm [H]
Weight	130g
Power Supply	Input: AC100 - 240V 50/60Hz Output: DC 5V/1A (US/EU standards, CE/FCC/UL certified)
Power Consumption	1W(Max)
Operating Temperature	32-104°F/0-40°C
Storage temperature	-4- 140°F/-20-60°C
Relative Humidity	20 - 90% RH (Non-Condensation)

APPLICATION EXAMPLE

Applications

Digital Signage, Conference Rooms, Operating Rooms and Audio-Video Rooms