



HDMI 2.0 Audio Downmixer 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. For maximum flexibility, this audio extractor also supports bitstream audio down-mix to analog stereo output and keeps optical and HDMI out audio pass-through. 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. HDCP 2.2 and CEC bypass are supported.

Featured Highlights

- HDMI 2.0b (18Gbps), HDCP 2.2, and DVI compliant
- Video resolutions up to 4K2K@50/60Hz (YUV444)
- Extract HDMI audio to multi-channel optical (SPDIF) or L/R analog audio
- HDMI Pass-through audio input to HDMI and optical audio output
- Supports bitstream audio down-mix to L/R analog output
- Optical audio supports LPCM 2CH, Dolby Digital 2/5.1CH, DTS 2/5.1CH
- Supports HDMI High Bit Rate (HBR) audio pass-through
- Audio sample rates up to 96kHz
- 10bits HDR (High Dynamic Range) pass-through
- Supports CEC pass-through

SPECIFICATIONS

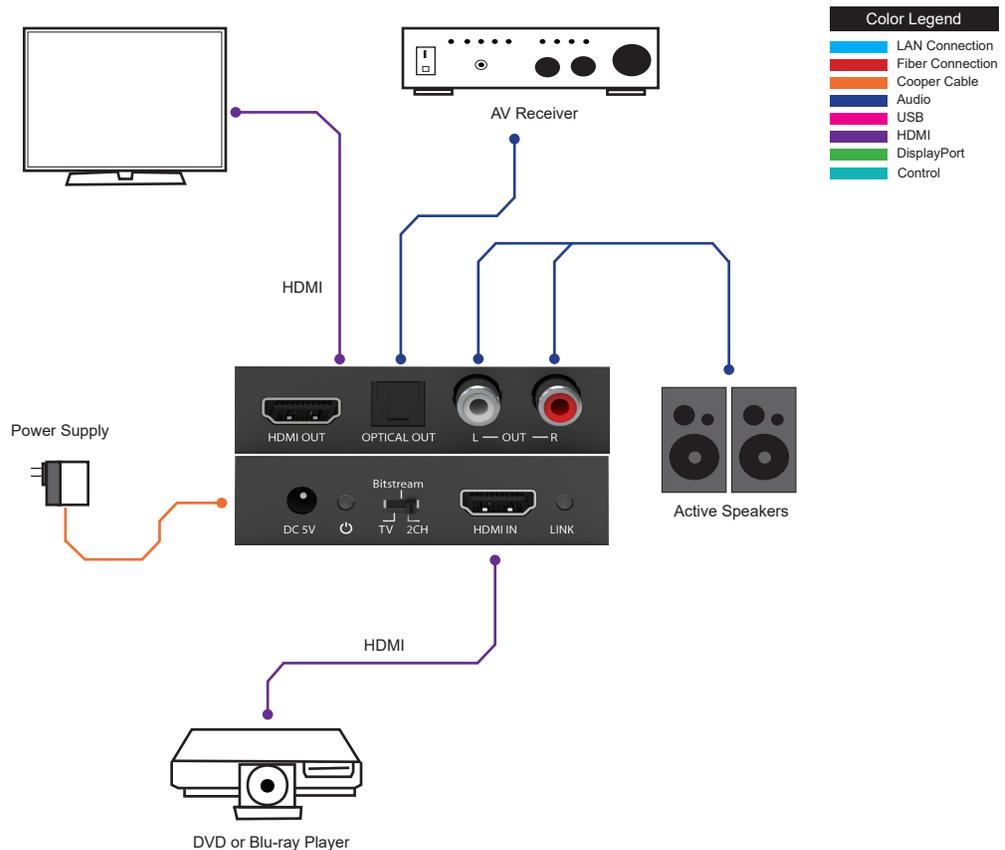
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2 and HDCP 1.4
Video Bandwidth	18Gbps
Video Resolutions	Up to 4K2K@50/60Hz(YUV4:4:4), 4K2K@30Hz, 1080P@120Hz, and 1080P 3D@60Hz
Color Space	RGB, YCbCr 4:4:4, YCbCr 4:2:2
Color Depth	10-bit, 12-bit
HDMI Audio Formats (Pass-through)	LPCM 2/5.1/7.1CH, Dolby Digital, DTS 5.1, Dolby Digital+, Dolby TrueHD, DTS-HD Master Audio, Dolby Atmos, DTS:X
Optical Audio Formats	LPCM 2CH, Dolby Digital 2/5.1 CH, DTS 2/5.1CH
L/R Audio Formats	Analog Stereo 2CH
ESD Protection	Human body model — ±8kV (air-gap discharge) & ±4kV (contact discharge)

CONNECTIONS

Transmitter	1x HDMI TypeA[19-pin female]
Receiver	1x HDMI Type A [19-pin female] 1x L/R Audio Out [RCA] 1x Optical Out [S/PDIF]

MECHANICAL

Housing	Metal Enclosure
Color	Black
Dimension	73.5mm[W] x 60.7mm[D] x 20mm[H]
Weight	135g
Power Supply	Input: AC100 - 240V 50/60Hz Output: DC 5V/1A (US/EU standards, CE/FCC/UL certified)
Power Consumption	1.25W (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