Front side

Back side

HDMI 2.0 Audio Embedder18Gbps

The HDMI 18Gbps Audio Embedder could embed audio signals from digital optical or analog stereo Line audio to HDMI output. 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, and audio sampling rate up to 192 kHz. HDCP 2.2 and CEC bypass are supported.

Featured Highlights

- Embeds multi-channel optical (SPDIF) or Line analog audio to HDMI output
- Optical audio supports LPCM 2CH, Dolby Digital 2/ 5.1CH, DTS 2/5.1CH
- Analog audio supports PCM2.0
- HDMI 2.0b (18Gbps), HDCP 2.2, and DVI 1.0 compliant
- Video resolutions up to 4K2K@50/60Hz (YUV444)
- Supports HDMI High Bit Rate (HBR) audio pass-through
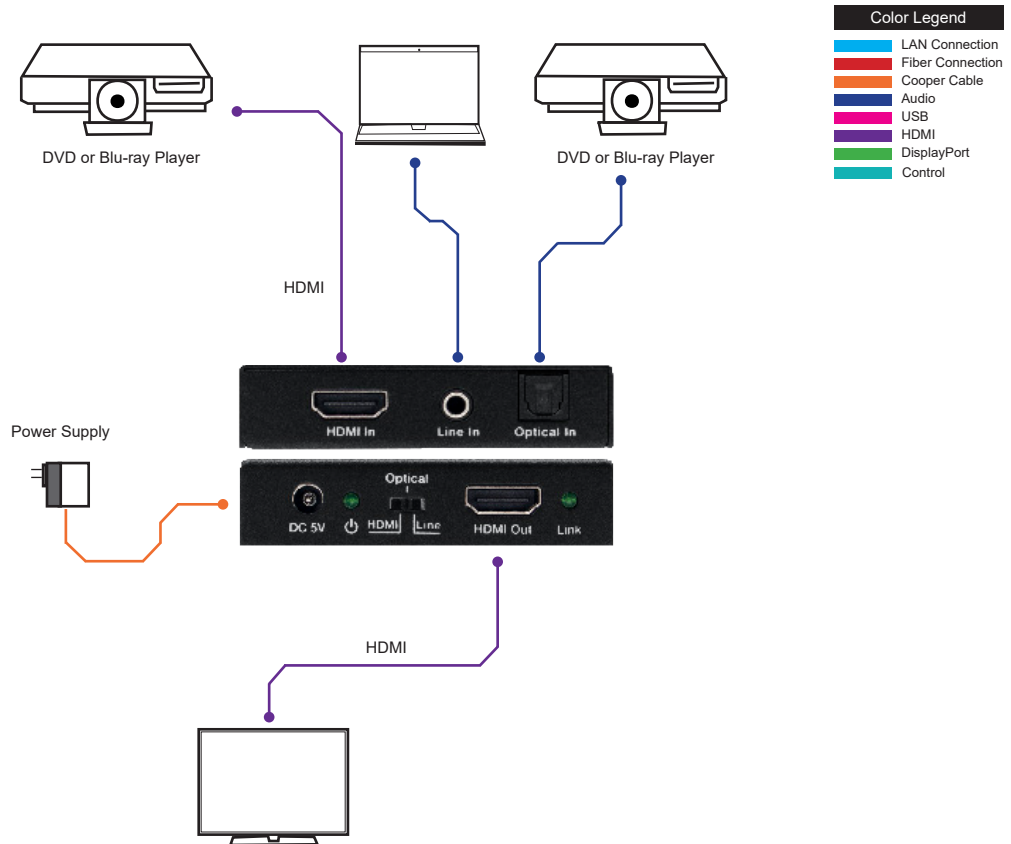- 10bits HDR (High Dynamic Range) pass-through
- Supports CEC bypass

Connecting for a Smarter Future

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 1080P3D@60Hz
Color Space	RGB, YCbCr 4:4:4, YCbCr 4:2:0
Color Depth	1O-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 2/5.1CH, DTS 2/5.1CH
L/R Audio Formats	Analog Stereo 2CH
ESD Protection	Human body model — ±8kV (air-gap discharge) & ±4kV (contact discharge)

CONNECTIONS

Inputs	1x HDMI Type A [19-pin female] 1x Line In [3.5mm Stereo Mini-jack] 1x Optical In [S/PDIF]
Outputs	1x HDMI Type A [19-pin female]

MECHANICAL

Housing	Metal Enclosure
Color	Black
Dimension	73.5mm [W] x 60.7mm [D] x 17mm [H]
Weight	122g
Power Supply	Input: AC100 - 240V 50/60Hz Output: DC 5V/1A (US/EU standards, CE/FCC/UL certified)
Power Consumption	1.25W
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

Color Legend
- LAN Connection
- Fiber Connection
- Cooper Cable
- Audio
- USB
- HDMI
- DisplayPort
- Control

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

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