

HDMI-ENA-4K

18 Gbps HDMI Audio Embedder

FEATURE:

- 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



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The HDMI 18 Gbps Audio Embedder allows audio signals from digital optical or analog stereo line inputs to be embedded into the HDMI output. Both HDMI input and output support video resolutions up to 4K@50/60Hz (YUV 4:4:4). It also supports 10-bit HDR pass-through and high-resolution digital audio formats, including LPCM 2CH, Dolby TrueHD, Dolby Digital Plus, Dolby Atmos, and DTS-HD Master Audio, with audio sampling rates up to 192 kHz. HDCP 2.2 and CEC bypass are also supported.



Accessories

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SPECIFICATIONS:

Technical

HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2 and HDCP 1.4
Video Bandwidth	18 Gbps
Video Resolution	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	10-bit, 12-bit
HDR	HDR, HDR10, HDR10+, Dolby Vision, HLG
HDMI Audio Formats	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

Input	1x HDMI IN [Type A, 19-pin female]
	1x Line In [3.5mm Stereo Mini-jack]
	1x Optical In [S/PDIF]
Output	1x HDMI OUT [Type A, 19-pin female]

Mechanical

Housing	Metal Enclosure
Color	Black
Dimensions	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 (Max)
Operation Temperature	32°F - 104°F / 0°C - 40°C
Storage temperature	-4°F - 140°F / -20°C - 60°C
Relative Humidity	20 - 90% RH (no condensation)