



DE-HDMI-4K

HDMI 2.0 Audio De-Embedder

The DE-HDMI-4K is a small-size HDMI2.0 audio de-embedder with 1 HDMI input, 1 HDMI output, and three kinds of audio outputs. It is designed to extract audio from 4K HDMI signal via stereo balanced L/R audio, analog RCA, and coaxial digital audio output ports.

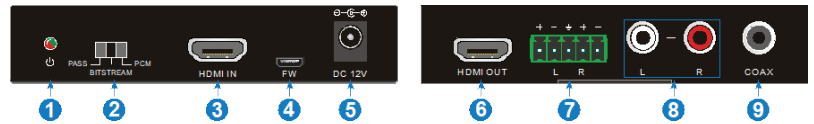
It supports 4K@60Hz/4:4:4 HDR, EDID & CEC pass-through, and the transmission rate is up to 18Gbps. Moreover, there are three audio modes can be chosen in order to be compatible with various audio processing device.

4K



FEATURES

- ✔ Supports stereo balanced L/R audio, analog RCA, and coaxial digital audio output ports.
- ✔ Supports three audio modes: PASS, BITSTREAM, and PCM.
- ✔ HDMI input supports HDCP2.2, and the output supports HDCP1.4.
- ✔ Supports HDMI2.0 4K@60Hz/4:4:4 HDR, EDID & CEC pass-through.
- ✔ The transmission rate is up to 18Gbps.
- ✔ Coax digital audio supports LPCM 2CH, Dobby Digital 2/5.1CH, DTS 2/5.1CH
- ✔ Supports HDMI High Bit Rate(HBR) audio pass through



- 1 Bicolor LED: RED when powered on, GREEN when HDMI signal input.
- 2 Audio Modes Switcher:
 - PASS (default): The source device obtains its EDID from display.
 - BITSTREAM: Set the audio block of the display EDID to DTS/Dolby with built-in multi-channel EDID data of the DE-HDMI-4K. Ensures the source output DTS/Dolby audio when the display only supports PCM audio.
 - PCM: Set the audio block of the display EDID to PCM with built-in PCM EDID data of the DE-HDMI-4K. Ensures the compatibility of the analog output.
- 3 HDMI IN: Connect with HDMI source.
- 4 FW: Firmware upgrade.
- 5 DC 12V: Connect with the included power adaptor.
- 6 HDMI OUT: Connect with HDMI display.
- 7 L/R: Stereo balanced L/R audio output.
- 8 L/R: analog RCA audio output.
- 9 COAX: Coaxial digital audio output.



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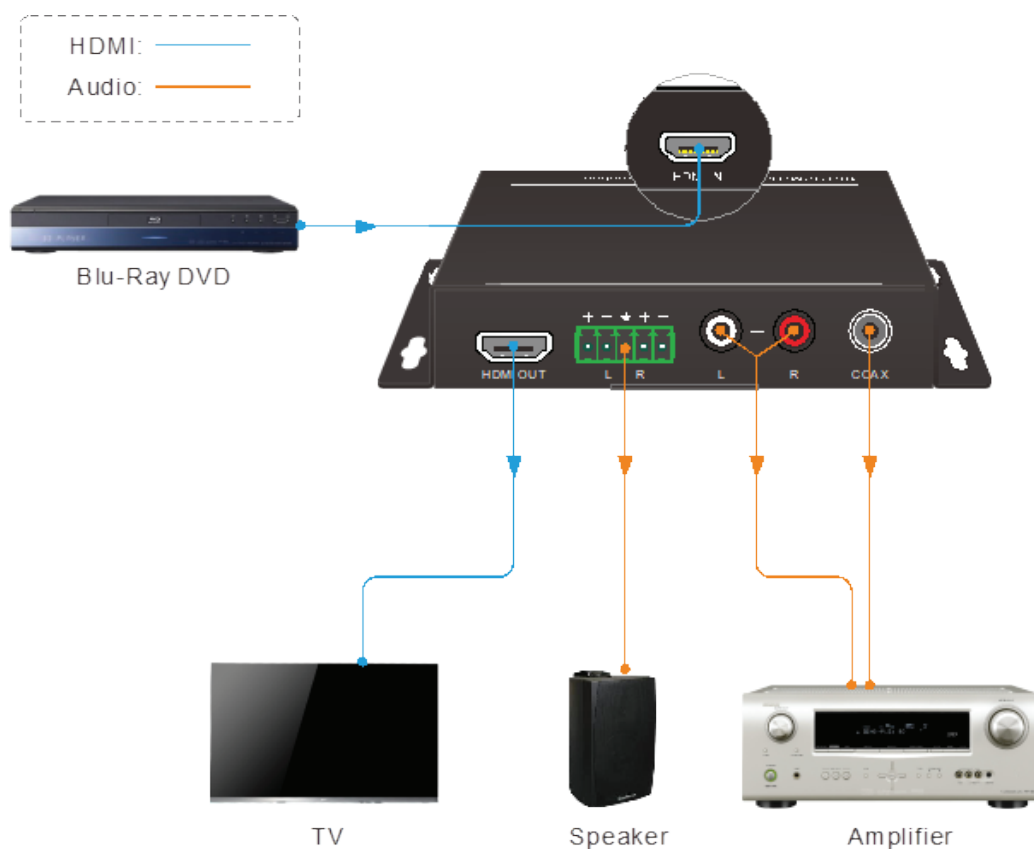


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Specification

Video	
Input	(1) HDMI
Input connector	(1) 19-pin type-A female HDMI 2.0, HDCP2.2
Output	(1) HDMI
Output connector	(1) 19-pin type-A female HDMI 2.0, HDCP1.4
Audio	
Output	(1) Stereo balanced audio L/R; (1) Analog audio L+R ; (1) COAX
Output connector	(1) 5-Pin phoenix connector; (1) RCA ; (1) Coaxial audio connector
Stereo analog audio format	PCM
Coax digital audio format	LPCM 2CH, Dobby Digital 2/5.1CH, DTS 2/5.1CH
General	
Max data rate	18Gbit/s
Max resolution	4Kx2K@60Hz 4:4:4
Work Temperature	-10~ 55°C
Reference humidity	10% ~ 90%
Power consumption	3 W (Max)
Power supply	Input: 100VAC~240VAC, 50/60Hz; Output: 12VDC 1A
Dimension (W*H*D)	129mm x 21.5 mm x77 mm
Net weight	244g

SYSTEM DIAGRAM



Note: This picture is for reference only, the specific scheme is subject to real devices.