

# DVDO

## DVDO-AudioE-3

### 8K HDMI 2.1 Audio Extractor with eARC for Soundbars



DVDO-AudioE-3 is an HDMI eARC audio to soundbar adapter designed to de-embed the audio signal from an HDMI source or TV with ARC/eARC and output the HDMI audio signal to a soundbar.

It supports data rates up to 48Gbps complying with HDMI 2.1 and HDCP 2.3 standards.

It is compatible with UHDTV 8K@60Hz signals and provides EDID management, cable equalization as well as CEC control from the TV to the source and soundbar.

It is the ideal solution for HDMI installations that need to send audio signals from newer generation TVs to soundbars that don't support eARC.

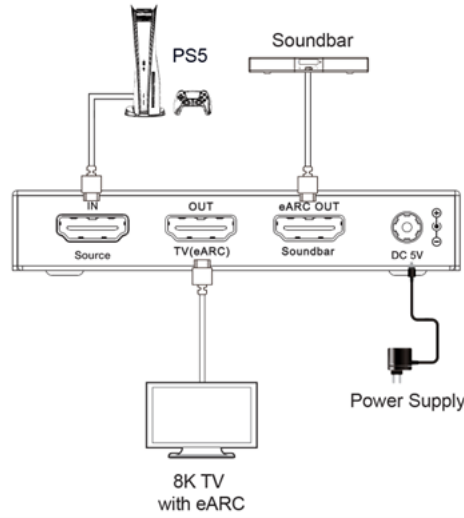
## Features

- HDMI 2.1 and HDCP 2.3 compliant
- Video resolutions up to 8K@60Hz 4:2:0 12bit, 4K@120Hz 4:4:4 12bit
- 48Gbps FRL and 18Gbps TMDS video bandwidth as specified in HDMI 2.1
- VRR, ALLM, QMS, QFT, SBTM as specified in HDMI 2.1
- HDR, HDR 10, HDR 10+, Dolby Vision, HLG pass-through
- LPCM 7.1CH, Dolby TrueHD, Atmos and DTS-HD Master, DTS:X Audio pass-through
- HDMI input audio or TV ARC/eARC audio de-embedded to HDMI audio output
- Full audio up to Dolby Atmos/DTS:x from eARC TV to Sonos® ARC & Beam or any eARC Soundbar
- Support CEC control from TV to the source and soundbar
- Support CEC volume control from TV to any sound system
- Advanced EDID management
- Compact design for easy and flexible installation

## Applications

- Residential Audio
- Hospitality
- Digital Signage
- Education
- Home Theater
- Restaurants
- Conference Rooms
- Houses of Worship

# Application Diagram



# Technical Specifications

Technical	
HDMI Compliance	HDMI 2.1
HDCP Compliance	HDCP 2.3
Video Bandwidth	48Gbps FRL and 18Gbps TMDS
Video Resolution	Up to 8K@60Hz 4:2:0 12bit, 4K@120Hz 4:4:4 12bit
Audio Latency	No Latency
Video Latency	No Latency
Color Depth	8/10/12bit
Color Space	RGB_4:4:4, YCbCr_4:4:4, YCbCr_4:2:2, YCbCr_4:2:0
Audio Formats	<b>HDMI IN/OUT:</b> LPCM, Dolby Digital/Plus/EX, Dolby True HD, Dolby Atmos, DTS, DSD, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DTS:X <b>eARCAUDIO OUT:</b> LPCM, Dolby Digital/Plus/EX, Dolby True HD, Dolby Atmos, DTS, DSD, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DTS:X
HDR	HDR, HDR10, HDR10+, Dolby Vision, HLG
ESD Protection	IEC 61000-4-2: ±8kV (Air-gap discharge) & ±4kV (Contact discharge)
Connections	
Input	1 x Source IN [HDMI Type A, 19-pin female]
Output	1 x TV (eARC) OUT [HDMI Type A, 19-pin female] 1 x Soundbar eARC AUDIO OUT [HDMI Type A, 19-pin female]
Control	1 x SERVICE [USB Type C, Update port]
General	
Housing	Black metal enclosure
Dimensions	95mm [W] x 68mm [D] x 18mm [H]
Weight	178g
Power Supply	Input: AC 100-240V 50/60Hz, Output: DC 5V/1A (US/EU standards, CE/FCC/UL certified)
Power Consumption	4.13W (Max)
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20~90% RH (non-condensing)