

# DVDO

## DVDO-AudioE-1

### 4K HDMI 2.0 Audio Extractor

DVDO-AudioE-1 is an HDMI2.0 audio extractor with resolutions up to 4K@60Hz (Chroma sub-sampling 4:4:4 8-bit) and HDCP 2.2.

Its digital or analog audio output allows audio to be de-embedded from HDMI input and sent to audio distribution system, such as AVR or Amplifier. Third-gear slide switch for audio setting in EDID has 3 EDID (pass-through, 2.0ch and 5.1ch) presets for EDID management.

By auto-detecting input signal status, it could automatically trigger CEC command to turn on or off TV with CEC support.



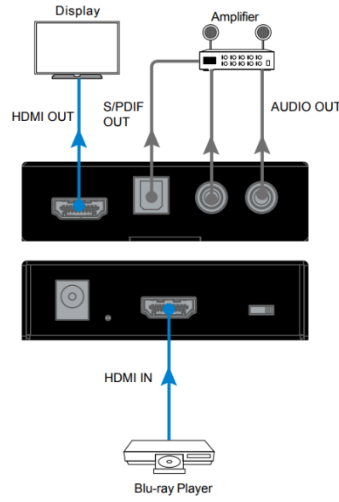
## Features

- Routes HDMI in and HDMI out, HDMI 2.0 up to 4k@60Hz (4:4:4)
- HDCP 2.2 pass through
- HDMI audio de-embedded out with S/PDIF (Toslink) and L/R audio (RCA, white and red)
- Simultaneous outputs from HDMI, S/PDIF and Analog
- S/PDIF output supports: PCM2.0, up to Dolby Digital and DTS 5.1
- L/R analog output supports: PCM2.0 only
- Third-gear slide switch for audio setting in EDID: pass-through, 2.0ch and 5.1ch
- Built in CEC controller from HDMI output
- Automatic input cable equalization and signal regeneration compensation
- HDMI input and output transmission distance up to 16ft/5m + 16ft/5m at 4K@60Hz 4:4:4 24bpp, and up to 49ft/15m + 49ft/15m at 1080P@60Hz 36bpp

## Applications

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

# Application Diagram



# Technical Specifications

| Technical                       |  |
|---------------------------------|--|
| Input/Output Video Ports        | 1 x HDMI IN; 1 x HDMI OUT  |
| Input/Output Video Signal Types | HDMI up to 4K@60Hz (4:4:4 8-bit) with HDCP 2.2   |
| Input Resolutions Supported     | VESA: 800x600 (*8), 1024x768 (*8), 1280x768 (*8), 1280x800 (*8), 1280x960 (*8), 1280x1024 (*8), 1360x768 (*8), 1366x768 (*8), 1440x900 (*8), 1600x900 (*8), 1600x1200 (*8), 1680x1050 (*8), 1920x1200 (*8)<br>SMPTE: 720x480p (*7,8), 720x576p (*6), 1280x720p (*6,7,8), 1920x1080p (*6,7,8), 3840x2160p (*2,3,5,6,8), 4096x2160p (*2,3,5,6,8)<br>*: 1 = 23.98Hz, 2 = 24Hz, 3 = 25Hz, 4 = 29.97Hz, 5 = 30Hz, 6 = 50Hz, 7 = 59.94Hz, 8 = 60Hz       |
| Output Resolutions Supported    | VESA: 800x600 (*8), 1024x768 (*8), 1280x768 (*8), 1280x800 (*8), 1280x960 (*8), 1280x1024 (*8), 1360x768 (*8), 1366x768 (*8), 1440x900 (*8), 1600x900 (*8), 1600x1200 (*8), 1680x1050 (*8), 1920x1200 (*8)<br>SMPTE: 720x480p (*8), 720x576p (*6), 1280x720p (*6,8), 1920x1080p (*1,2,3,4,5,6,7,8), 3840x2160p (*2,3,5,6,8), 4096x2160p (*2,3,5,6,8)<br>*: 1 = 23.98Hz, 2 = 24Hz, 3 = 25Hz, 4 = 29.97Hz, 5 = 30Hz, 6 = 50Hz, 7 = 59.94Hz, 8 = 60Hz |
| Maximum Data Rate               | 18Gbps   |
| Audio Output                    | 1 x S/PDIF OUT; 1 x AUDIO OUT (L&R)  |
| Audio Format                    | SPDIF OUT: PCM 2.0, up to Dolby Digital and DTS 5.1<br>AUDIO (L/R) OUT: PCM 2.0<br>HDMI IN/OUT: PCM 2.0/5.1/7.1, Dolby True HD & DTS HD Master Audio   |
| General                         |  |
| Operating Temperature           | 0°C to 45°C (32°F to 113°F)  |
| Storage Temperature             | -20°C to 70°C (-4°F to 158°F)  |
| Humidity                        | 10% to 90%, non-condensing   |
| ESD Protection                  | Human-body Model: ±8kV (Air-gap discharge) / ±4kV (Contact discharge)  |
| Power Supply                    | DC 5V 1A   |
| Power Consumption               | 2.88W (Max)  |
| Device Dimensions               | 80mm x 22mm x 90mm / 3.15" x 0.87" x 3.54" (W x H x D)   |
| Product Weight                  | 0.23kg / 0.51lb  |