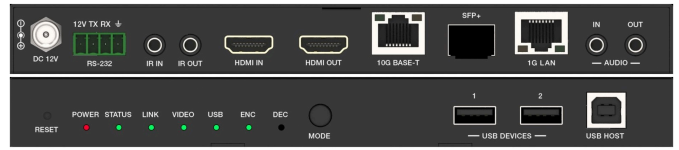


4K60 SDVoE AV over IP Transceiver — Switchable ENC/DEC

Zero-Frame Latency, Full Dolby/DTS Audio, Copper & Fiber, USB KVM & 9x9 Video Wall over 10G

MPN: AVO-IPSDV-4K



The AVO-IPSDV-4K brings SDVoE uncompressed 4K60 4:4:4 to the AVO AV over IP lineup — delivering zero-frame latency, full Dolby TrueHD/Atmos and DTS:X audio, and instant seamless switching over a 10G managed network. A single transceiver switches between encoder and decoder via front-panel button or API, with both 10G BASE-T copper and 10G SFP+ fiber ports active.

Supports video wall up to 9x9, multiview up to 25 windows, USB 2.0 KVM, bidirectional IR, RS-232, CEC, HDMI loop out, and bidirectional analog audio. A dedicated 1G LAN port carries the H.264/H.265 secondary stream for preview. Managed by AVO-IPCTL-SDV. Dante audio add-on available.

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|------------------------------|------------------------------|-----------------------------|-----------------------------------|-----------------------------|------------------------------|
| SDVoE Uncompressed | Zero-Frame Latency | 4K60 4:4:4 18Gbps | 10G Copper + Fiber SFP+ | Dolby Atmos DTS:X | ENC/DEC Switchable |
|------------------------------|------------------------------|-----------------------------|-----------------------------------|-----------------------------|------------------------------|

KEY FEATURES

- SDVoE uncompressed 4K@60Hz 4:4:4 — HDMI 2.0b, HDCP 2.2, 18Gbps
- Zero-Frame latency — instant, imperceptible switching
- Switchable ENC/DEC — front-panel MODE button (hold 5 sec) or API/controller
- 10G BASE-T copper + 10G SFP+ fiber — both active, priority configurable
- Dedicated 1G LAN for H.264/H.265 secondary stream preview
- Full HDMI audio: Dolby TrueHD, Dolby Atmos, DTS:X, DTS-HD Master, LPCM, DSD
- HDR10, Dolby Vision, HLG, 3D — full color-depth
- Video wall up to 9x9 — multiview up to 25 windows — seamless switching
- Bidirectional analog audio (3.5mm IN+OUT), USB 2.0 KVM, bidirectional IR, RS-232, CEC
- HDMI loop out (ENC mode) — PoE 802.3at or DC 12V/2.5A — ~13.5W
- Works with AVO-IPCTL-SDV (CTL100D) — Dante audio add-on available

SPECIFICATIONS

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|-------------------------------|---|
| Protocol / Video | SDVoE uncompressed — 4K@60Hz 4:4:4 — HDMI 2.0b — HDCP 2.2 — 18Gbps |
| Latency | Zero-Frame latency operating mode |
| HDR / Color | HDR10, Dolby Vision, HLG, 3D Full color-depth RGB, YCbCr 4:4:4/4:2:2/4:2:0 |
| HDMI Audio | Dolby TrueHD, Dolby Atmos, DTS:X, DTS-HD Master, DSD, LPCM, Dolby Digital/Plus/EX, DTS, DTS-EX, DTS-96/24 |
| Analog Audio | 3.5mm AUDIO IN + OUT (bidirectional ENC ↔ DEC) on both units |
| Network | 1x 10G BASE-T (RJ45) 1x 10G SFP+ (fiber) 1x 1G LAN (secondary stream) |
| USB / IR / Control | USB 2.0 HOST (ENC) + 2x USB DEVICE IR IN/OUT RS-232 (4-pin Phoenix) CEC |
| Video Wall / Multiview | Up to 9x9 (81 displays) Multiview: up to 25 windows |
| Transmission | 100m CAT6A/7 90m CAT6 |
| Power | PoE 802.3at PD or DC 12V/2.5A ~13.5W |
| Dimensions (WxDxH) | 8.03" x 5.28" x 0.85" (204 x 134 x 21.5mm) |
| Weight | 1.53 lbs (693g) |

PACKAGE CONTENTS

1x AVO-IPSDV-4K Transceiver | 1x 12V IR receiver cable (1.5m) | 1x IR blaster cable (1.5m) | 1x 4-pin Phoenix | 1x DC 12V/2.5A locking PSU | 2x Mounting ears | 4x Screws

