

## 4K60 H.265/H.264 AV over IP Transceiver — Switchable ENC/DEC

Copper & Fiber SFP, 36-Stream Multiview, KVM Seat Roaming, Text Overlay & Seamless Switching over 1G

MPN: AVO-IP265-4K



A single unit that functions as either a 4K60 encoder or decoder — set by a rear-panel MODE switch — the AVO-IP265-4K simplifies inventory, installation, and long-term maintenance for integrators deploying H.265/H.264 AV over IP at scale. Copper and fiber SFP ports are both active with automatic selection, providing full flexibility for structured cabling and long-distance fiber runs in the same system.

In decoder mode, a single unit processes up to 36 simultaneous streams with arbitrary windowing, roaming, overlaying, and splicing. Text overlay, scrolling subtitles, logo insertion, IPC camera integration, and multi-level user rights management extend the platform into command and control, broadcast, and unified visualization deployments. Managed by the AVO-IPCTL-265 controller.

<b>4K60 4:4:4</b> H.265/H.264	<b>ENC/DEC</b> Switchable	<b>Copper + Fiber</b> Auto-Select	<b>36-Stream</b> Multiview	<b>KVM Roaming</b> Seat Mgmt	<b>16ms Latency</b> Text Mode
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### KEY FEATURES

- Switchable encoder/decoder — single unit configured via rear-panel MODE switch
- H.265/H.264 codec — 4K@60Hz 4:4:4, HDMI 2.0b, HDCP 2.2, 18Gbps
- Copper LAN/PoE + Fiber SFP — both active, copper priority, auto-select
- Up to 36 simultaneous streams on decoder — windowing, roaming, overlay, splicing
- Seamless switching — no black screen, flash, jitter, or tearing
- KVM seat management — one-to-many, seat roaming, man-machine separation
- Text overlay, scrolling subtitles, banner, and logo display
- IPC camera integration — Hikvision, Dahua, Yushi with PTZ control
- Multi-level user rights management — hierarchical access control
- RTSP sub-streams (1080P30 / 720P30) — VLC and third-party app preview
- Low latency: 16ms text / 33ms video — PoE 802.3at or DC 12V/2.5A

### SPECIFICATIONS

<b>Video / Codec</b>	H.265/H.264 — 4K@60Hz 4:4:4, HDMI 2.0b, HDCP 2.2, 18Gbps
<b>Color</b>	8/10/12-bit   RGB 4:4:4, YCbCr 4:4:4/2:2/4:2:0
<b>Audio</b>	LPCM 2.0CH, 16-bit, 48kHz   Balanced stereo IN/OUT (6-pin Phoenix)
<b>Sub-streams</b>	MainStream RTSP 1080P@30Hz   SubStream RTSP 720P@30Hz
<b>Latency</b>	Text: 16ms   Video: 33ms
<b>Decoder Streams</b>	Up to 36 simultaneous — windowing, roaming, overlay, splicing
<b>Network</b>	1x LAN/PoE (RJ45, 1000M)   1x SFP (1G Fiber) — copper priority
<b>USB / Control</b>	USB HOST (ENC)   USB 1.1 DEVICE (DEC)   RS-232   MODE switch
<b>Power</b>	PoE 802.3at Class 3 or DC 12V/2.5A   Enc: 12W / Dec: 8.5W
<b>Transmission</b>	Up to 328ft / 100m copper   Fiber: SFP module dependent
<b>Dimensions (WxDxH)</b>	8.03" × 5.20" × 1.18" (204 × 132 × 30mm)
<b>Weight</b>	1.68 lbs (760g)

### PACKAGE CONTENTS

1x AVO-IP265-4K Transceiver | 2x 6-pin Phoenix | 1x 3-pin Phoenix | 1x DC 12V/2.5A locking PSU | 2x Mounting ears | 4x Screws

