

4K60 JPEG2000 AV over IP BYOD Encoder — USB-C & HDMI

Dual Input Auto-Switch with PD 100W Laptop Charging, Dolby Vision, Dolby Atmos & ARC/eARC over Standard 1G Copper

MPN: AVO-IPJP2KUC-ENC



Brings visually lossless 4K60 4:4:4 JPEG2000 encoding to BYOD and UC rooms — with dual HDMI and USB-C inputs that automatically switch to whichever source is active, and a dedicated USB-C IN 2 port that delivers up to 100W of power back to the presenter's laptop. A single USB-C cable connects the laptop, shares the display, routes USB peripherals, and keeps the device charged — all while distributing 4K video to any JPEG2000 decoder on the same 1G network.

Dolby Vision, HDR10, and HLG cover every content type a laptop or mobile workstation produces. ARC, eARC, S/PDIF, and analog audio return bring display audio back without extra cabling. Optional Dante AV-A, USB 2.0 KVM, relay/digital I/O, and MJPEG sub-stream preview round out a full-featured BYOD encoder that pairs with any AVO-IPJP2K-series decoder.

USB-C + HDMI Dual Input	PD 100W Laptop Charging	Dolby Vision HLG / HDR10	Dolby Atmos DTS:X	9x9 Wall 81 Displays	PoE 802.3at Encoder Only
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KEY FEATURES

- HDMI and USB-C dual inputs with auto-switching — connects to whichever source is active
- USB-C IN 1: video, audio, USB data from laptop — USB-C IN 2: PD 100W charging back to source device
- JPEG2000 visually lossless 4K60 4:4:4 over standard 1G — no 10G required
- HDR10, Dolby Vision, and HLG support on input and output
- Dolby Atmos, DTS:X, Dolby TrueHD, DTS-HD Master, and all major audio formats passthrough
- ARC, eARC, S/PDIF, and analog audio return
- USB 2.0 KVM with two-way IR and RS-232
- Optional Dante AV-A integration (license activated)
- HDMI 2.0b, HDCP 2.2, 18Gbps — unicast, multicast, matrix, video wall up to 9x9
- PoE 802.3at PD or DC 12V/2.5A — encoder only

SPECIFICATIONS

Video / Compression	JPEG2000 — 4K@60Hz 4:4:4, HDMI 2.0b, HDCP 2.2, 18Gbps
HDR Support	HDR10, Dolby Vision, HLG
Audio Formats	LPCM, Dolby Atmos/Vision/TrueHD/Plus, DTS:X/DTS-HD Master/96-24/EX/DSD/High Res
Audio Return	ARC, eARC, S/PDIF, Analog — optional Dante AV-A (license activated)
Video Input	1x HDMI IN (Type A) 1x USB-C IN 1 — video/audio/USB (Type C) 1x USB-C IN 2 — PD 100W charging
Video Output	1x HDMI OUT loop (Type A)
Network	1x LAN/PoE RJ45 (802.3at PD)
USB	1x USB 2.0 HOST (Type B) 2x USB 2.0 DEVICE (Type A)
Control	RS-232, 2x Relay, 2x Digital I/O, IR IN/OUT Web GUI, Telnet, SSH, CEC
Power	PoE 802.3at PD or DC 12V/2.5A — 1G managed switch required
Dimensions (WxDxH)	8.03" x 5.35" x 1.00" (204 x 136 x 25.5mm)
Weight	1.39 lbs (632g)
Certifications	CE / FCC / UL

PACKAGE CONTENTS

1x AVO-IPJP2KUC-ENC Encoder | 1x IR Receiver cable (1.5m) | 1x DC 12V/2.5A locking PSU | 2x Mounting ears | 4x Machine screws



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