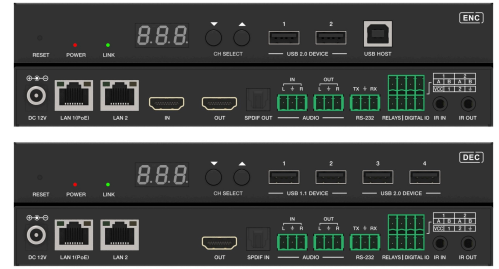


4K60 JPEG2000 AV over IP Encoder/Decoder — Dante Dual LAN

Dedicated Dante LAN Port, USB KVM, Dolby Atmos/DTS:X, 9x9 Video Wall & ARC/eARC over Standard 1G Copper

MPN: AVO-IPJP2KD



Delivers visually lossless 4K60 4:4:4 JPEG2000 video distribution over standard 1G managed networks — with a dedicated second copper LAN port that keeps Dante AV-A audio traffic fully isolated from video. The AVO-IPJP2KD is designed for integrators who require clean audio network separation without introducing fiber infrastructure.

The AVO-IPJP2KD's dual copper architecture lets video and audio run on independent switch segments — eliminating cross-traffic that can compromise Dante latency or QoS. Dolby Atmos and DTS:X passthrough, ARC/eARC/S/PDIF audio return, USB 2.0 KVM, and 9x9 video wall support complete a matched encoder/decoder pair.

JPEG2000 Lossless 4K60	Dual LAN Isolated Dante	USB KVM 2.0 Host	Dolby Atmos DTS:X	9x9 Wall 81 Displays	PoE 802.3af PD
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KEY FEATURES

- JPEG2000 visually lossless 4K60 4:4:4 distribution over standard 1G — no 10G required
- Dual copper LAN — LAN 2 dedicated to Dante AV-A, fully isolated from JPEG2000 video on LAN 1
- Optional Dante AV-A (license activated) — routes pro audio via existing DSP infrastructure
- ARC, eARC, S/PDIF, and analog audio return — C2C or A2A mode per encoder/decoder
- LPCM 2.0/5.1/7.1CH, Dolby Atmos, Dolby TrueHD, DTS:X, DTS-HD Master audio passthrough
- USB 2.0 KVM with two-way IR and RS-232 — centralized control of remote sources
- HDMI 2.0b, HDCP 2.2, HDR10 input and output
- Unicast, multicast, matrix switching, video wall up to 9x9 (81 displays) with bezel compensation
- PoE (802.3af PD) or DC 12V/2.5A — single-cable deployment, no fiber required
- Web GUI, Telnet, SSH, RS-232, TCP/IP, CEC, IR — works with AVO-IPCTL-JP2K (sold separately)

SPECIFICATIONS

Video / Compression	JPEG2000 — 4K@60Hz 4:4:4, HDMI 2.0b, HDCP 2.2, 18Gbps, HDR10
Audio Formats	LPCM 2.0/5.1/7.1CH, Dolby Atmos/TrueHD/Plus/EX, DTS:X/DTS-HD Master/96-24/EX/DSD/High Res
Audio Return	ARC, eARC, S/PDIF, Analog — Dante AV-A optional (license activated)
Network (ENC + DEC)	2x RJ45 each — LAN 1/PoE (JPEG2000 video) + LAN 2 (Dante audio)
USB	ENC: 1x USB 2.0 HOST + 2x USB 2.0 DEVICE DEC: 2x USB 1.1 + 2x USB 2.0 DEVICE
Control (ENC + DEC)	1x RS-232, 2x Relay, 2x Digital I/O, 1x IR IN, 1x IR OUT each
Control Methods	IR, RS-232, CEC, TCP/IP, Web GUI, Telnet, SSH — AVO-IPCTL-JP2K (sold separately)
Power	PoE 802.3af PD or DC 12V/2.5A — ENC: 9.12W DEC: 7.8W max
Dimensions (WxDxH)	8.03" x 5.35" x 1.00" (204 x 136 x 25.5mm)
Weight	ENC: 1.39 lbs (631g) — DEC: 1.38 lbs (626g)
Environment	0–40°C operating 20–90% RH non-condensing CE / FCC / UL

PACKAGE CONTENTS

1x AVO-IPJP2KD Encoder | 1x AVO-IPJP2KD Decoder | 2x DC 12V/2.5A power adapters | 1x Quick start guide

