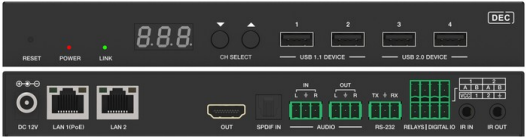


4K60 JPEG2000 AV over IP Decoder — Dante Dual LAN with Endpoint Control

Isolate Dante AV-A Audio on LAN 2 Away from JPEG2000 Video on LAN 1 (PoE) — USB KVM, IR & RS-232, 9x9 Video Wall over Standard 1G

MPN: AVO-IPJP2KD-DEC



Terminates a visually lossless 4K60 4:4:4 JPEG2000 stream at the display over the standard 1G copper network you already run, with isolated Dante audio and full endpoint control in a single box. Housed in a black metal enclosure measuring 8.03" x 5.35" x 1.00" (204 x 136 x 25.5 mm), it powers from PoE as a powered device drawing 7.8 W maximum — or from the included DC 12V/2.5A locking supply — and reaches up to 328 ft (100 m) over CAT6/6A/7. Its dual copper LAN, on-board relays, digital I/O, IR, RS-232 and USB device ports make it the right choice for boardrooms, courtrooms, medical viewing rooms and video walls where 4:4:4 fidelity, clean audio isolation and switch-agnostic deployment matter more than the cost and 10G switching burden of SDVoE.

The decoder drives point-to-point, matrix and video wall layouts up to 9x9 with intelligent class management, supports unicast and multicast, and serves an MJPEG substream for real-time preview on portable devices. Endpoint control runs through the front panel, IR, RS-232, TCP/IP, Web GUI, Telnet and SSH, while two relay ports, two digital I/O ports and USB 1.1/2.0 device ports carry local triggers and KVM peripherals without a separate control drop. Its strongest differentiator is dual copper LAN with physical traffic separation: in the default LAN Mode 2, JPEG2000 video rides LAN 1 (PoE) while Dante AV-A audio — activated by license — rides LAN 2, so video multicast never contends with the audio flow. Matching Dante Dual-LAN encoder sold separately.

Dual Copper LAN	Dante AV-A Ready	4K60 4:4:4	PoE Powered	9x9 Video Wall
-----------------	------------------	------------	-------------	----------------

KEY FEATURES

- Visually lossless 4K60 4:4:4 JPEG2000 video over standard 1G copper; HDCP 2.2, 18 Gbps, HDMI 2.0b
- Dual copper LAN isolates Dante AV-A audio on LAN 2 from JPEG2000 video on LAN 1 (PoE); Dante enabled by license
- Analog and Dante audio embedding/de-embedding, plus ARC/eARC/S/PDIF/analog audio return
- Unicast, multicast, point-to-point, matrix and video wall up to 9x9 with intelligent class management
- USB 1.1 and USB 2.0 device ports for KVM, plus 2x relay and 2x digital I/O for contact control
- Endpoint control via IR, RS-232, front panel, TCP/IP, Web GUI, Telnet and SSH
- MJPEG substream for real-time preview on portable devices
- PoE-PD powered (7.8 W max) or local DC 12V/2.5A; up to 328 ft (100 m) over CAT6/6A/7

SPECIFICATIONS

HDMI / HDCP	HDMI 2.0b - 18 Gbps - HDCP 2.2
Resolution	Up to 4K@60Hz 4:4:4 - HDR in/out
Compression / Network	JPEG2000 over 1G - 328 ft (100 m) CAT6/6A/7
Audio	LPCM/Dolby Atmos/DTS:X - ARC/eARC/SPDIF/analog
Dante	Dante AV-A supported when license activated
Dual LAN	2x RJ45 - Mode 2: video LAN 1 (PoE), Dante LAN 2
USB / KVM	2x USB 1.1 + 2x USB 2.0 device (480 Mbps)
Control	RS-232, IR in/out, Web GUI, Telnet/SSH, panel
Contact Control	2x relay (1A 30VDC) - 2x digital I/O
Topologies	Point-to-point, matrix, 9x9 video wall
Power	PoE PD or DC 12V/2.5A - 7.8 W max
Enclosure	Metal - 8.03 x 5.35 x 1.00 in - 1.38 lbs



Scan for product page
kanexpro.com/item/AVO-IPJP2KD-DEC

sales@kanexpro.com | www.kanexpro.com