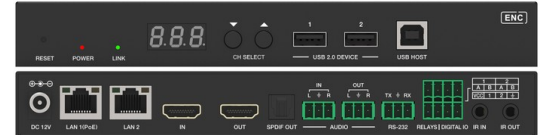


4K60 4:4:4 JPEG2000 AV over IP Encoder — Dante Dual LAN with Contact Control

Separate Dante Audio from JPEG2000 Video on Two Copper LANs — Relay/Digital I/O, RS-232 & ARC/eARC over Standard 1G

MPN: AVO-IPJP2KD-ENC



Distributes one HDMI source as visually lossless 4K60 4:4:4 across a matrix, video wall, or KVM system over the standard 1G copper network you already run. The encoder is a black metal endpoint powered by standard PoE or local DC 12V/2.5A, drawing 9.12W maximum, and folds dual RJ45 LAN ports, an HDMI loop-out, RS-232, IR, CEC, USB 2.0, and relay/digital-I/O contact control into a single rack-mountable device. It is the right choice for corporate, higher-education, control-room, and house-of-worship installations where full-chroma 4K60, Dante audio separation, and endpoint control matter more than the cost and switch replacement of a 10GbE/SDVoE fabric.

The AVO-IPJP2KD-ENC covers point-to-point, full matrix switching, and video wall up to 9x9 with intelligent video-wall class management, unicast and multicast, alongside USB 2.0 KVM, RS-232, bidirectional IR, CEC, and two relay plus two digital-I/O contact ports for room automation. Control runs through the front-panel buttons, IR, RS-232, TCP/IP, and a built-in web GUI with Telnet and SSH, and Dante AV-A is enabled by license activation rather than as a separate hardware SKU. Its defining feature is a dual copper LAN design: LAN Mode 2 carries JPEG2000 video on the PoE LAN 1 while Dante audio runs on LAN 2, physically separating the audio network from the video transport, or LAN Mode 1 consolidates both streams on LAN 1. Matching JPEG2000 decoder sold separately.

4K60 4:4:4 JPEG2000	Dual-LAN Dante	9x9 Video Wall	Relay & GPIO Control	1G PoE
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KEY FEATURES

- 4K60 4:4:4 visually lossless JPEG2000 over standard 1G copper, HDCP 2.2, HDMI 2.0b, 18Gbps
- Dual copper LAN: JPEG2000 video on LAN 1 (PoE), Dante audio on LAN 2 (LAN Mode 2 default)
- Dante AV-A supported by license activation, no separate hardware SKU
- Point-to-point, video matrix, and video wall up to 9x9 with intelligent management
- Unicast and multicast; USB 2.0 KVM extension over the same 1G fabric
- Two relay and two digital-I/O contact ports, plus RS-232, bidirectional IR, and CEC
- Control via front panel, IR, RS-232, TCP/IP, web GUI, Telnet, and SSH
- Standard PoE (PD mode) power; 100m over CAT6/6A/7

SPECIFICATIONS

HDMI / HDCP	HDMI 2.0b - HDCP 2.2 - 18Gbps - JPEG2000
Resolution	Up to 4K@60Hz 4:4:4, HDR in and out
Color Space	RGB, YCbCr 4:4:4 / 4:2:2, YUV 4:2:0
Audio	LPCM/Dolby/DTS - Dante AV-A by license
Network	Dual 1G RJ45 (LAN 1 PoE) - unicast/multicast
Topology	Point-to-point, matrix, 9x9 video wall
Control	RS-232, IR, CEC, TCP/IP, web GUI, Telnet/SSH
Contact I/O	2x relay + 2x digital I/O - USB 2.0 KVM
Distance	100m over CAT6/6A/7
Power	PoE (PD) or DC 12V/2.5A - 9.12W max
Enclosure	Metal - 8.03 x 5.35 x 1.00 in (204x136x25.5mm)
Net Weight	1.39 lbs (0.63 kg)



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