

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

Run Matrix, Video Wall & KVM on the 1G Network You Already Have — SFP Fiber, Relay/I/O Contact Control & ARC/eARC over Copper

MPN: AVO-IPJP2K-ENC



Distributes one 4K60 4:4:4 HDMI source to an unlimited number of displays over the standard 1G network the building already runs.

Housed in a compact black metal enclosure measuring 8.03" x 5.35" x 1.00" and drawing 8.52W from PoE or a local 12V supply, it delivers visually lossless JPEG2000 video with embedded audio, USB/KVM and control from a single endpoint. That makes it the right choice for corporate, higher-education, command-and-control and courtroom systems where 4:4:4 fidelity, network reach and endpoint density matter more than a dedicated 10G fabric or a box-per-function build.

Beyond point-to-point routing, the encoder drives full video matrix and video wall layouts up to 9x9 with intelligent video-wall class management, and carries bidirectional RS-232, two-way IR, CEC and USB 2.0/KVM across the same link. It is configured through a built-in web GUI with Telnet and SSH, or from an external controller. Its defining advantage is consolidation: copper and SFP fiber in one box, two relay and two I/O contact-control channels for room automation, ARC/eARC/S/PDIF/analog audio return, and license-activated Dante AV-A — capabilities rival platforms split across separate models. A companion decoder is sold separately.

				
4K60 4:4:4 JPEG2000	Copper + Fiber	Dante Ready	Contact Control	9x9 Video Wall

KEY FEATURES

- Visually lossless JPEG2000 4K60 4:4:4 over standard 1G Ethernet, HDMI 2.0b / HDCP 2.2 / 18Gbps
- Copper and SFP fiber integrated in a single box; up to 328ft / 100m over CAT5e/6/6A/7
- Point-to-point, video matrix and video wall up to 9x9 with intelligent class management
- License-activated Dante AV-A plus ARC/eARC/S/PDIF/analog audio return
- USB 2.0 / KVM, bidirectional RS-232, two-way IR and CEC over Ethernet
- Two-channel relay and two-channel I/O contact control for room automation
- Unicast and multicast; MJPEG substream for real-time third-party preview
- Built-in web GUI with Telnet and SSH; front-panel LED and channel select
- Powered by PoE or local DC 12V/2.5A; 8.52W maximum

SPECIFICATIONS

HDMI / HDCP	HDMI 2.0b - HDCP 2.2 - 18Gbps
Codec / Network	JPEG2000 - 1G Ethernet
Max Resolution	4K60 4:4:4 (RGB / YCbCr)
Color Depth	Input 8/10/12-bit - Output 8-bit
Topologies	Point-to-point, matrix, 9x9 video wall - unicast/multicast
Transmission	100m (328ft) via CAT5e/6/6A/7 - SFP fiber
Audio Return	ARC/eARC/S-PDIF/Analog - Dante AV-A (licensed)
Control	RS-232, IR, CEC, USB 2.0/KVM - web GUI, Telnet, SSH
Contact Control	2x relay - 2x I/O (GPIO)
Power	DC 12V/2.5A or PoE - 8.52W max
Enclosure	Metal - 8.03 x 5.35 x 1.00 in (204 x 136 x 25.5 mm) - 1.39 lbs (631 g)
Environmental	Operating 32-104°F (0-40°C) - 20-90% RH

PACKAGE CONTENTS

1x JPEG2000 Encoder • 1x DC 12V/2.5A power adapter • 2x Mounting ears • 1x Quick start guide



Scan for product page

kanexpro.com/item/AVO-IPJP2K-ENC

sales@kanexpro.com | www.kanexpro.com