

4K60 JPEG2000 AV over IP System Controller

Centralized Matrix Switching, 9x9 Video Wall & KVM Roaming for JPEG2000 AV over IP Systems — Dual-Network Isolation, Web GUI & Dante Management

MPN: AVO-IPCTL-JP2K



Transforms a network of AVO-IPJP2K encoders and decoders into a fully managed AV over IP matrix — delivering drag-and-drop source switching, 9x9 video wall configuration, and KVM roaming from a single web interface without requiring dedicated AV matrix hardware.

The AVO-IPCTL-JP2K connects to the same 1G managed switch as encoders and decoders, auto-discovers all devices, and provides centralized control of video routing, Dante AV-A audio, RS-232/IR/GPIO automation, and user management. Dual 1G ports isolate AV traffic from the IT network while enabling full management via Web GUI, SSH, or third-party control systems.

Matrix Switching	9x9 Video Wall	KVM Roaming	Dante AV-A	Dual LAN Isolated	PoE Powered
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KEY FEATURES

- Centralized web GUI control of all AVO-IPJP2K encoders and decoders via drag-and-drop
- Matrix switching — route any encoder to any decoder without physical recabling
- Video wall up to 9x9 with bezel compensation — no dedicated processor required
- KVM roaming — shift keyboard/mouse control between encoder zones from browser
- Dante AV-A management for all licensed JPEG2000 endpoints
- Dual 1G LAN — VIDEO LAN (PoE) for AV + CONTROL LAN for IT network isolation
- Auto-discovery, DHCP, and static IP modes + MJPEG preview of all encoder feeds
- 2x RS-232, 4-ch GPIO, IR IN/OUT — HTTPS/SSH/SFTP security + role-based users

SPECIFICATIONS

		Technical
Network		100M/1G • Up to 100m via CAT5E/6/6A/7
Control		Web GUI, TCP/IP, RS-232, IR, SSH, SFTP, HTTPS
Supported Systems		KanexPro AVO-IPJP2K JPEG2000 AV over IP family
		Connection
LAN		2x 1G RJ45 — VIDEO LAN (PoE) + CONTROL LAN • Default: 192.168.6.100 / controller.local
RS-232		2x 3-pin 3.81mm Phoenix
Digital I/O		6-pin Phoenix — 4-ch GPIO, GND, VOUT 5V or 12V/0.5A (DIP switch)
IR		IR IN (3.5mm, 12V, 20kHz–60kHz) • IR OUT (3.5mm)
		Physical
Dimensions (WxDxH)		8.03" x 3.88" x 0.85" (204 x 98.5 x 21.5mm)
Weight / Power		1.12 lbs (508g) • DC 12V/1A or PoE • 1.8W max
		Recommended Accessory
AV Endpoints		AVO-IPJP2K, AVO-IPJP2KS, AVO-IPJP2KD JPEG2000 Encoder/Decoder (sold separately)

PACKAGE CONTENTS

1x Controller 1x IR Receiver Cable 1.5m 1x IR Blaster Cable 1.5m 2x 3-pin Phoenix connectors 1x 6-pin Phoenix connector 2x Mounting ears 1x DC 12V/1A adapter



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sales@kanexpro.com | www.kanexpro.com