

4K60 SDVoE AV over IP System Controller

Zero-Frame Latency Matrix Switching, 9x9 Video Wall & USB KVM for SDVoE Systems — Dual-Network Isolation, Web GUI & IR/RS-232 Control

MPN: AVO-IPCTL-SDV



Delivers centralized management of SDVoE AV over IP systems with zero-frame latency matrix switching, 9x9 video wall, and 25-window multi-view — all from a browser-based web GUI over a 10G managed network.

SDVoE AVP2000 chipset architecture delivers visually lossless 4K60 4:4:4 with zero frames of latency. Works with AVO-IPSDV-4K SDVoE transceivers.

Zero-Frame Latency	9x9 Video Wall	25-Window Multi-View	USB 2.0 KVM	Dual-Network Isolated	SDVoE AVP2000
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KEY FEATURES

- Zero-frame latency matrix switching — SDVoE AVP2000 chipset, visually lossless 4K60 4:4:4
- Video wall up to 9x9 with seamless zero-frame transitions
- Multi-view up to 25 windows on a single display
- USB 2.0 KVM routing — keyboard, mouse, and peripheral routing across SDVoE zones
- Dual-network ports — VIDEO LAN (1G, PoE) + CONTROL LAN for AV/IT isolation
- 2x RS-232 + 4-ch GPIO + IR IN/OUT for automation and third-party control
- UPDATE port (Micro USB) for firmware upgrade
- Works with AVO-IPSDV-4K SDVoE transceivers

SPECIFICATIONS

		Technical
Protocol / Chipset		SDVoE • AVP2000 • Zero-frame latency • 4K60 4:4:4
Endpoint Network		10G managed switch required for SDVoE endpoints
Video Wall / Multi-View		Up to 9x9 video wall • Up to 25-window multi-view
		Connection
LAN		2x RJ45 — VIDEO LAN (1G, PoE) + CONTROL LAN
RS-232		2x 3-pin 3.81mm Phoenix
Digital I/O		6-pin Phoenix — 4-ch GPIO, GND, VOUT 5V or 12V (DIP)
IR IN / IR OUT		3.5mm IR IN (12V) • 3.5mm IR OUT (5V)
UPDATE		Micro USB (firmware only, disconnect during operation)
		Compatible Endpoints
Works With		AVO-IPSDV-4K — 4K60 SDVoE AV over IP Transceiver

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 locking adapter



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