

1G H.265 AV over IP System Controller

Matrix Switching, Video Wall with Window Roaming, Mouse Collaboration & Seamless Switching — IP Camera Import, Dual 1G Network Isolation & Web GUI

MPN: AVO-IPCTL-265



Delivers centralized management of H.264/H.265 AV over IP systems over a standard 1G network — with drag-and-drop matrix switching, video wall with window roaming, seamless switching, and mouse collaboration from a single web interface.

ARM Cortex-A55 processor, dual 1G network isolation, IP camera import, HD background image, and multi-screen splicing. Works with AVO-IP265-4K, AVO-IP265-HD, and AVO-IP265-HDK H.265 AV over IP endpoints.

Matrix Switching	Video Wall Window Roam	Mouse Collaboration	Seamless Switching	IP Camera Import	Dual 1G Isolated
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KEY FEATURES

- ARM Cortex-A55 2GHz — centralized web GUI control of all H.264/H.265 AV over IP encoders and decoders
- Matrix switching — drag-and-drop source routing without physical recabling
- Video wall with window roaming and marquee display support
- Seamless switching — zero-interruption source transitions
- Mouse roaming/collaboration — one operator manages multiple PCs across zones
- IP camera import as video source alongside H.265 encoders
- Dual 1G network ports — VIDEO LAN (PoE) + CONTROL LAN for AV/IT isolation
- 2x RS-232 + 4-ch GPIO + IR IN/OUT — HTTPS/SSH security, 8-digit password
- Works with AVO-IP265-4K, AVO-IP265-HD, AVO-IP265-HDK encoder/decoder family

SPECIFICATIONS

		Technical
CPU / Network	ARM Cortex-A55 2GHz • 1G • Up to 100m CAT5E/6/6A/7	
Control	Web GUI, TCP/IP, RS-232, IR, SSH, HTTPS • Default: 192.168.6.100 / controller.local	
		Connection
LAN	2x 1G RJ45 — VIDEO LAN (PoE PD) + CONTROL LAN	
RS-232	2x 3-pin 3.81mm Phoenix • 57600/8/1/N default	
Digital I/O	6-pin Phoenix — 4-ch GPIO, GND, VOUT 5V or 12V/0.5A (DIP switch)	
IR	IR IN (3.5mm, 12V) • IR OUT (3.5mm, 5V)	
		Physical
Dimensions (WxDxH)	8.03" × 4.63" × 0.85" (204 × 117.5 × 21.5mm)	
Weight / Power	1.32 lbs (597g) • DC 12V/2.5A or PoE • 6.84W max	
		Compatible Endpoints
Works With	AVO-IP265-4K, AVO-IP265-HD, AVO-IP265-HDK — H.265 AV over IP Encoder/Decoder family	

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/2.5A adapter



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