

### OIP-D50E 1G 4K AVoIP Encoder



Front View



Rear View

### OIP-D50D 1G 4K AVoIP Decoder



Front View



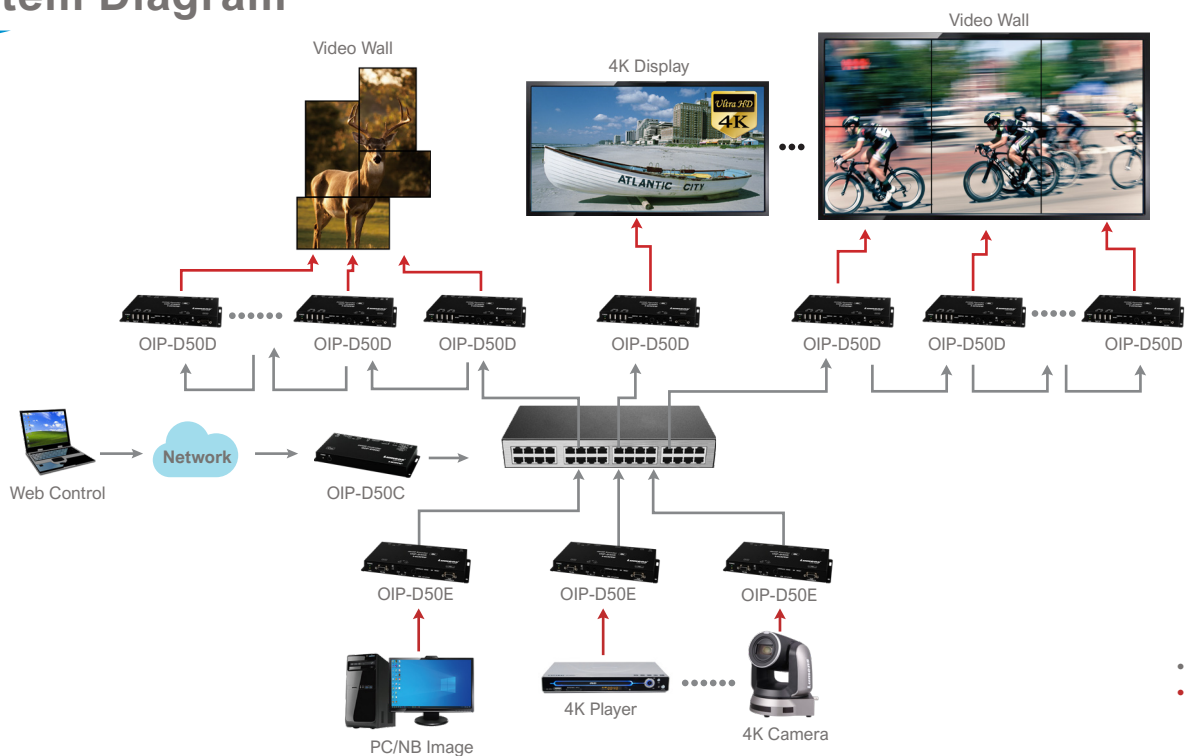
Rear View

The Lumens® OIP-D50E / OIP-D50D AV over IP encoder and decoder deliver 4K @30Hz ultra-low latency and visually lossless compression through Cat.5e/6/7 cables. The OIP-D50E / OIP-D50D provides flexible, high-efficient and cost-effective Pro A/V system solutions. It is applicable for a wide range of environments, such as sports bars, school campuses, and house of worship, etc.

## Key Features

- Delivers 4K@30Hz 4:4:4 pristine video quality with ultra-low latency
- Long-distance IP-based A/V transmission
- Video wall deployment with portrait and landscape orientation
- Intuitive Web-based GUI for AV distribution and control \*with OIP-D50C
- Supports PoE for easy installation
- Cost-effective A/V distribution solution

## System Diagram



• Ethernet  
• HDMI

# Specifications

INTERFACE	OIP-D50E	OIP-D50D
Input	1 Analog Mono (3.5mm)	1 Analog Mono (3.5mm)
	1 HDMI 2.0 (DVI 1.0)	
	1 VGA (HD-15)	
Output	1 VGA (HD-15)	1 HDMI 2.0 (DVI 1.0)
	Analog Stereo (3.5mm)	1 VGA (HD-15)
	GbE LAN (RJ-45)	1 S/PDIF (TOSLINK)
		1 Analog Stereo (3.5mm)
Control	1 IR Extender (3.5mm)	3 GbE LAN (RJ-45)
	1 IR Blaster (3.5mm)	1 IR Extender (3.5mm)
	1 RS-232 (DB-9)	1 IR Blaster (3.5mm)
	1 USB 2.0 (Type-B)	1 RS-232 (DB-9)
		2 USB 2.0 (Type-A)
	2 USB 1.1 (Type-A)	
VIDEO		
HDCP	2.2	2.2
Input Signal Type	4K@60 YUV 4:2:0	4K@60 YUV 4:2:0
Output Signal Type	4K@30 8bit RGB	4K@30 8bit RGB
Maximum Input	HDMI 4096×2160p@60 YUV 4:2:0 VGA 1920×1200p@60RGB	Stream 4096×2160p@30
Maximum Output	Stream 4096x2160@30 VGA 1920×1200p@60RGB	HDMI 4096×2160p@30 8bit RGB VGA 1920×1200p@60RGB
AUDIO		
HDMI	LPCM (8 Channels) / Bitstream, High Bit Rate Bitstream	LPCM (8 Channels) / Bitstream, High Bit Rate Bitstream
Mic In	2 Vrms S/N Ratio: > 80dB (1kHz with 0dBFS)	300 mVrms S/N Ratio: > 80dB (1kHz with 0dBFS)
Line Out / Optical Out	N/A	LPCM (2 Channels) / Bitstream
Line Out	2 Vrms S/N Ratio: > 80dB (1kHz with 0dBFS)	2 Vrms S/N Ratio: > 80dB (1kHz with 0dBFS)
POWER		
Power Supply	5V/2.6A DC (Locking) PoE (802.3af)	5V/4A DC (Locking) PoE (802.3af)
Power Consumption	7.15 W	17.68W
ENVIRONMENTAL		
Operating Temperature	0°C ~ 40°C	0°C ~ 40°C
Operating Humidity	20~80%, non-condensing	20~80%, non-condensing
Storage Temperature	40°C ~ 60°C	40°C ~ 60°C
Storage Humidity	90%, non-condensing	90%, non-condensing
ENCLOSURE		
Housing	Metal	Metal
Weight	1.46lbs (0.66kg)	1.46lbs (0.66kg)
Dimensions (W×H×D)	Case Only: 9.11" x 0.98" x 4.25" (231.5mm x 25mm x 108mm) All Inclusive: 9.11" x 0.98" x 4.72" (231.5mm x 25mm x 120mm)	Case Only: 9.11" x 0.98" x 4.25" (231.5mm x 25mm x 108mm) All Inclusive: 9.11" x 0.98" x 4.72" (231.5mm x 25mm x 120mm)

\* It can be installed with a rack-mount kit.



Lumens Integration, Inc.  
4116 Clipper Court  
Fremont, CA, 94538  
Phone : +1-866-600-0988  
Fax : +1-510-252-1389

Lumens Europe  
De Nayerstraat 17 9470  
Denderleeuw Belgium  
Phone : +32-473-58-38-95  
Fax : +32-2-452-76-00



[www.MyLumens.com](http://www.MyLumens.com)