

# DVDO

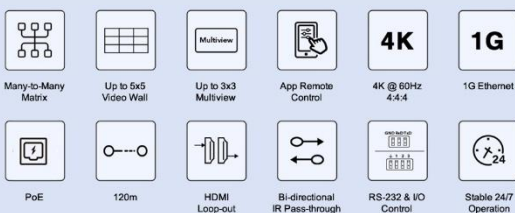
## 4K60 H.265/H.264 AV over IP with Video Wall & Multiview

DVDO-H265-4Kxxx-1 is an HDMI over IP system designed to distribute 4K@60Hz video and audio over standard 1G network infrastructure using advanced H.265 technology.

With encoders and decoders working together through a network switch, it supports flexible configurations including one-to-one, one-to-many, and many-to-many setups, as well as advanced display modes such as multiview and video wall configurations.

With easy control via a free app with real-time preview or front panel buttons, it provides a powerful and user-friendly solution for modern AV distribution.

The system includes features such as HDMI loop-out, PoE as well as bi-directional IR, RS-232 & I/O control pass-through for simplified installation.



DVDO-H265-4KENC-1  
4K60 Encoder



DVDO-H265-4KDEC-1  
4K60 Decoder with Video Wall



DVDO-H265-4KDEC-MV-1  
4K60 Decoder with Multiview

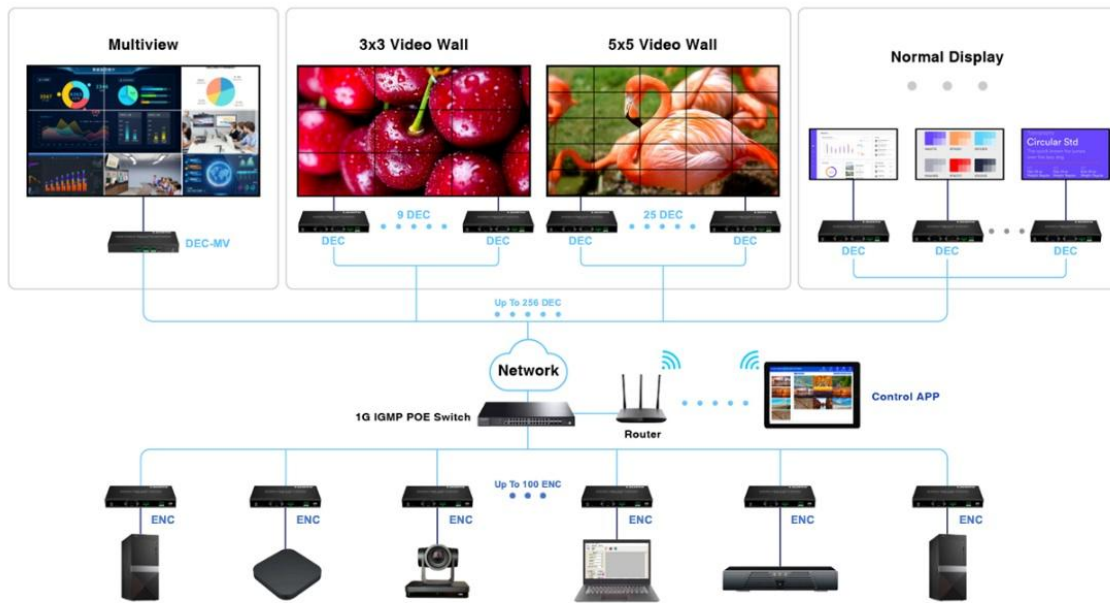
## Features

- HDMI 2.0, HDCP 2.2 compliant
- Advanced H.265/H.264 technology for high quality and low-latency transmission
- Video resolutions up to 3840x2160@60Hz
- Supports up to 256 encoders (input sources) and 256 decoders (displays)
- Two decoder options: DVDO-H265-4KDEC-1 (with video wall function) and DVDO-H265-4KDEC-MV-1 (with multiview function)
- HDMI loop-out on encoder
- One-to-one or many-to-many connections through 1G network switch
- Video wall / multi-screen splicing function up to 5x5 (only available with DVDO-H265-4KDEC-1 decoder)
- Multiview function including PiP, PbP, 2x2, 3x3 & custom modes (only available with DVDO-H265-4KDEC-MV-1 decoder)
- Transmission distance up to 120m with Cat6 cables
- PoE (Power over Ethernet)
- Control via free app (iOS or Android) & front panel buttons
- Bi-directional IR, RS-232 & I/O control pass-through
- Stable 24/7 operation

## Applications

- Hospitality
- Digital Signage
- Command Centers
- Education
- Entertainment
- Retail
- House of Worship
- Corporate

# Application Diagram



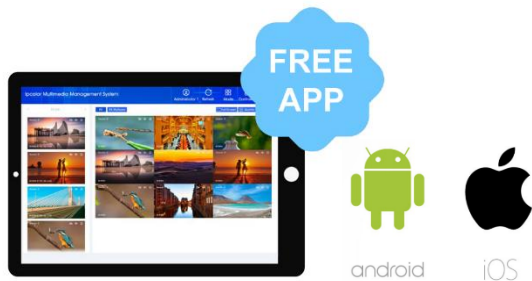
# Scalable Video Wall



# Flexible Multiview



# Easy Control with Free App



# Power over Ethernet (PoE)



## Technical Specifications

	DVDO-H265-4KENC-1 Encoder	DVDO-H265-4KDEC-1 Decoder	DVDO-H265-4KDEC-MV-1 Decoder
<b>Technical</b>			
Compliance	HDMI 2.0 / HDCP 2.2		
Video Resolutions	4096x2160@24/30Hz 3840x2160@24/30/50/60Hz 1080p@50/60Hz 720p@50/60Hz 1920x1200@60Hz 2560x1440@60Hz		
Bandwidth	18Gbps		
Transmission Distance	CAT6 120m / CAT5E 100m		
Transmission Latency	4K@60Hz: 130~200ms / 1080p@60Hz: 70~130ms		180~250ms
Video Network Bandwidth	1G		
HDMI Audio	LPCM 2.0		
IR Range / Frequency	≤ 5m / 20K-60KHz		
RS-232 Baud Rate	Default: 115200 Supported: 2400, 4800, 9600, 19200, 38400, 57600, 115200		
ESD Protection	IEC 61000-4-2: ±8kV (Air-gap discharge) & ±4kV (Contact discharge)		
<b>Connections</b>			
Input Ports	1 x HDMI [Type A, 19-pin female]	1 x LAN [RJ45 connector]	1 x LAN [RJ45 connector]
Output Ports	1 x HDMI [Type A, 19-pin female] 1 x LAN [RJ45 connector]	1 x HDMI [Type A, 19-pin female]	1 x HDMI [Type A, 19-pin female] 1 x audio L/R [3.5mm]
Control Ports	1 x RS-232 [3-pin 3.5mm phoenix connector] 1 x IR IN [3.5mm stereo mini-jack] 1 x IR OUT [3.5mm stereo mini-jack]		
<b>Mechanical</b>			
Housing	Black metal enclosure		
Weight & Dimensions	523g / 1.15lbs	514g / 1.13lbs	518g / 1.14lbs
Dimensions [W x D x H]	191 x 96 x 25 mm	191 x 96 x 25 mm	191 x 96 x 25 mm
Power Supply	DC 5V/2A (if not using PoE)		
Power Consumption	≤ 5.5W	≤ 3.5W	≤ 8W
Operating Temperature	-4 ~ 140°F / -20 ~ 60°C		
Storage Temperature	-22 ~ 158°F / -30 ~ 70°C		
Relative Humidity	0 - 90% non-condensing		