



# IP Video Wall Controller with PoE feature, IPVDS-700-ED

## Description

IPVDS-700-ED, 4K HDMI IP Video Wall Controller, is an integrated control solution that enable to play multi-source of audio/video (such as PC, Media Player, DVD and Blu-ray) on the video wall system and multiple individual displays simultaneously.

This solution provides advanced audio/video matrix feature as well as control of video wall system which divide high quality video source (4K 30Hz or 1080p 60Hz) into multiple video walls with using IPVDS-700-E (Encoder) and IPVDS-700-D (Decoder). It enables convenient system configuration and control for AV System Integrator and Installer, and it also gives cost-efficiency compared to complicated matrix system. For these reasons, IPVDS-700-ED provides optimal solution not only to large video wall system like control room, security, traffic control facility, but also to general venues like conference room, classroom, presentation room, and worship facility.

Program provided for system control offers preview function of source video as well as various display configurations like merging, overlaying, clearing, of displays with allocating audio/video sources with simple drag and drop operation of mouse.

## Specification

- TCP/IP base IP network: Gigabit Ethernet
- Support up to 4K (3840x2160@30Hz 4:4:4 or 3840x2160@60Hz 4:2:0) input resolution
- Support up to 4K (3840x2160@30Hz 4:4:4) output resolution
- Supports Analog/HDMI audio input and output
- Fast switching time / low video latency
- Transmits HDMI/DVI video, audio, USB, RS-232, IR signal over IP network
- Provides HDMI loop-thru port for local display (Up to 4K 60Hz 4:2:0)
- Provides merge, overlay and split function on multiple video wall layout of PC program
- Supports up to 256 displays (16x16 - 4x64 - 1x256) video wall and multi-sources
- Supports M:N virtual matrix
- Supports 802.3af standard PoE (Power-over-Ethernet)



- PC application for controlling video wall
- Provides drag and drop operation for host allocation
- Provides allocate, merge, split, overlay function on the layout management
- Provides preview screen before applying it to actual displays
- Provides infinite pre-sets for the user defined layout (save/load)
- Pre-set scheduling function: Sequential mode (dwell time based)  
Weekly mode (hourly/weekly based)
- Bezel compensation in 0.1mm
- Control command function: RS-232, IR, CEC

### Optional

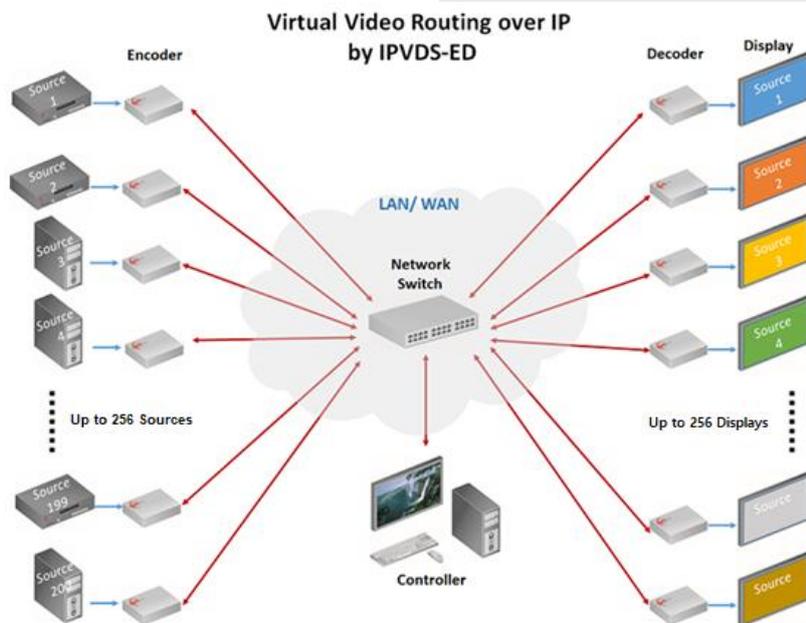
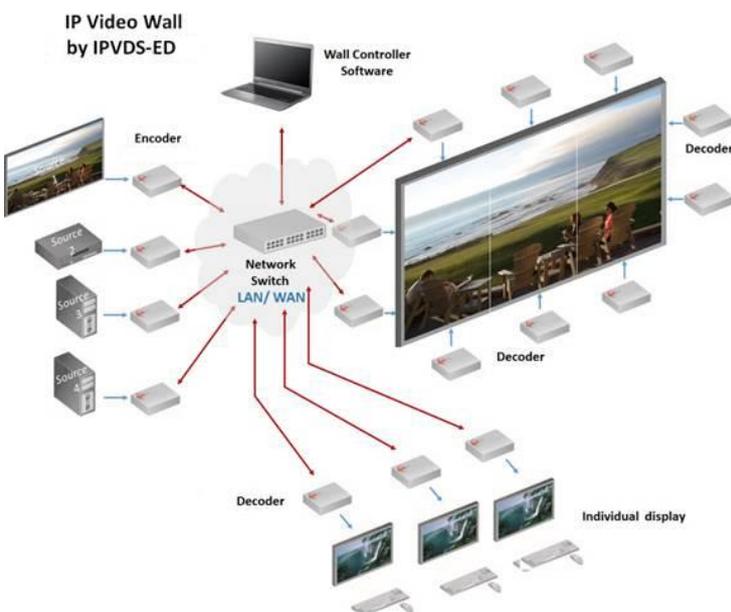
- 5V/2A power adapter
- 4 devices in 1 rack 1U Rack (OPSCR-1U-B)
- Power rack (PR5V-16: 16\* 5V output)

# IP Video Wall Controller with PoE feature, IPVDS-700-ED

## Technical Feature

Network	TCP/IP based IP network: 1000 Base-T Ethernet with CAT5e/CAT6	
Network connection	UTP CAT5e, 6 cable Max 100m	
Input Resolution	Max 3840x2160@30Hz 4:4:4 or 3840x2160@60Hz YCbCr4:2:0	
Output Resolution	Max 3840x2160@30Hz 4:4:4	
Video Interface	IPVDS-700-E	Input: 1 HDMI Input Output: 1 HDMI Output
	IPVDS-700-D	Output: 1 HDMI Output
Analog Audio Interface	IPVDS-700-E	LINE IN 1 port
	IPVDS-700-D	LINE OUT 1 port
USB	IPVDS-700-E	Host: 2 x USB A type Client: 1 x mini USB B type
	IPVDS-700-D	Host: 2 x USB A type
Dimension	112 x 28 x 104mm (WHD)	
Power	PoE : IEEE 802.3af(15.4W). * option: Adapter 5V/2A	
Power Consumption	TX < 6W	RX < 5W
Operating Temperature	0 ~ 50°C	

## Connection Diagram



**Opticis**  
www.opticis.com

**Opticis Co., Ltd.**  
3F, 305, Sanseong-daero Sujeong-gu  
Seongnam-si, Gyeonggi-do, 13354 South Korea  
Tel: +82 (31) 719-8033  
Fax: +82 (31) 719-8032

tosales@opticis.com



All contents are subject to be changed without prior notice.