4K HDMI IP Video Wall Controller, IPVDS-500-ED

Descriptions

4K HDMI IP Video Wall Controller, IPVDS-500-ED, is an integrated control solution for playing audio/video of multi-sources (such as PC, Media player, DVD or Blu-ray) on video wall displays and many individual displays simultaneously.
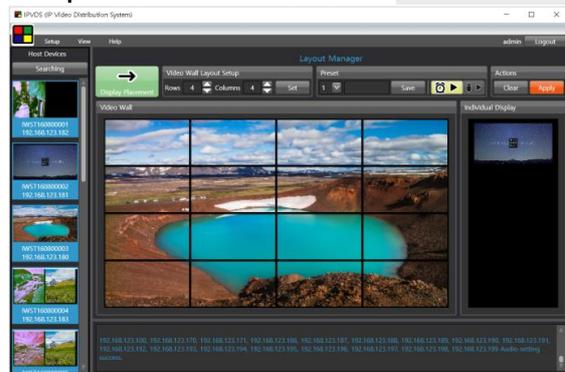
IPVDS-500-ED can provide an optimal solution for large video wall systems in control room, security and traffic control whereas it can be used in general field such as conference room, education room or presentation room.

PC program can be used for host allocation and preview with drag and drop operation with simple mouse use. Users can easily merge, split, overlay and clear on the 'Layout Manager' of PC program before applying it to real display monitors ,and operate preset scheduling function in weekly mode or sequential mode with pre-saved presets.

IPVDS-500-ED provides virtual matrix function with transmitters and receivers via IP network, and also it enables for users to monitor and control with IP Video wall. It is best solution for users in Audio/Video integration field for providing excellent performance and simple operating process as well as having cost effective advantage compared to complicated Matrix with copper cable.

Key Features

· TCP/IP based IP network: **100/1000 Base-T Ethernet** with CAT5(6)e
· Up to **4K resolution (3840x2160 at 30Hz) or 1080p at 60Hz**
· Up to **256 displays(1x256 ~ 16x16 Video Wall)** with multi-sources
     9 Multi-walls control with one control PC.
· Provide **Analog/HDMI audio input and output**
· Provides **PC Program** for Users
  - Control PC Apps for Video Wall and Individual Displays
  - **Drag and Drop operation of Mouse** for Host Allocation and Preview
  - **Allocation, merge, split, overlay** and etc on Layout Manager
  - Provides **preview scene** before to apply it to real monitors.
  - Provide **99 Presets** for user defined layout (Save and Loading)
  - Provides **preset scheduling function** in weekly or sequential mode
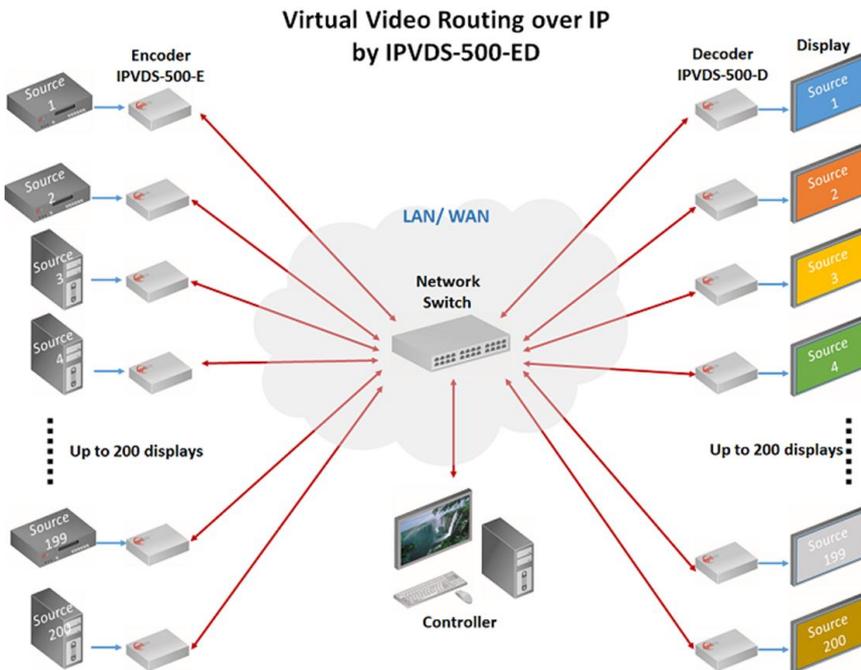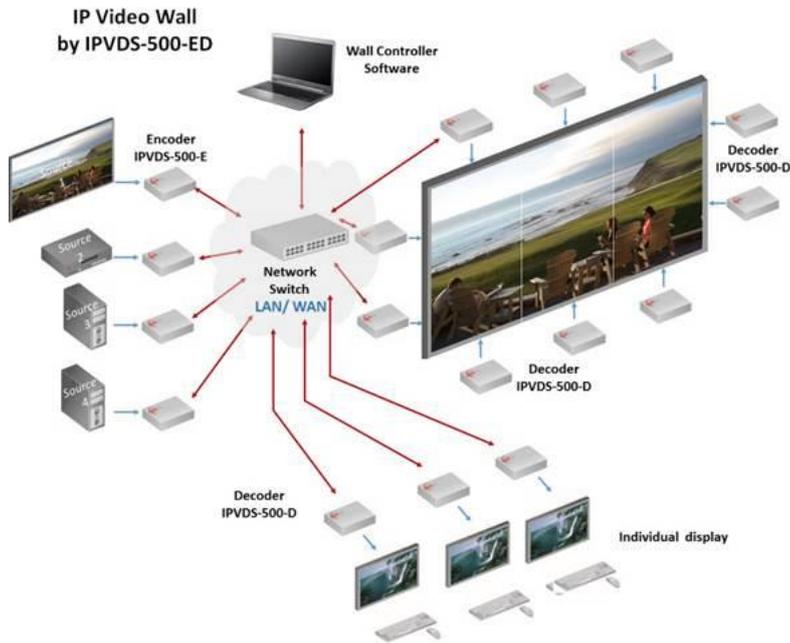 - **Bezel Compensation in 0.1mm units**

· **M:N Virtual Matrix supported**: multicasting up to **200 clients**
· **Fast switching time / Low video latency**
· Transmits **HDMI/DVI,USB,RS-232,Audio,DIO signals** via IP Network
· Provides **HDMI loop-thru port** for Local display
· Provide **Mounting bracket** (model: OPSCB)
     : VESA 75,100 standard, Optional
· Provides **1U rack** (4 in 1 rack) and **power rack** (PR5V-16)
     With 16*5V output, Optional

Application

· Control Room
· Traffic Control System / Security and Education
· Digital Signage / Pro AV

Connection Diagram

IP Video Wall by IPVDS-500-ED

Virtual Video Routing over IP by IPVDS-500-ED

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