level one®

HVE-6601R

HVE-6601T

HDMI Video Wall over IP PoE Transmitter / Receiver

H/W Version: 1

Product overview

The LevelOne HVE-660 Series is an innovative HDMI-over-IP Video Wall Distribution Solution. Designed with transmitting units (HVE-6601T) and receiving units (HVE-6601R), it is exceptionally scalable, offering any combination up to 8 x 8 matrix video wall arrangement. The HVE-660 Series riches video wall connectivity options to public premises such as sports bars, cinemas, transport stations, or highly demanded monitoring sites such as emergency response centers, security organization, or traffic monitoring units.

How it works

In the system, video signal is distributed by connecting HDMI-over-IP Video Wall Transmitter (HVE-6601T) to HDMI video source, via HDMI splitter if necessary. At each of displaying monitors, one receiving unit (HVE-6601R) is attached to complete the system. The solution is highly flexible that Point-to-Point or Point-to-Many topologies could be conveniently arranged. And to meet wider range of application requirement, Many-to-Many connection is also easily achievable and manageable through VLAN & IGMP v1/2 with a managed network switch, where multiple video sources could be freely distributed to required monitors. The video gridding layout is modifiable with software utility provided. With advanced broadcasting technology the bandwidth is not heavily loaded to the number of displaying units.

PoE Connectivity, Centralization and Grouping

The HVE-660 series support powered by 802.3af PoE & DC5V, support remote power on/off by PoE managed switch. the RS-232 over TCP/P can centralizing adjustments of HDMI display monitors settings. support plug-and-play by DIP switch to adjust different group or software utility, a controller PC to set display array via web .

HVE-6601R

1 2 3 4   5 6 7 8

1. LEDs
2. Push Button1
3. Push Button2
4. Group ID
5. DC input 5V/A
6. Gigabit Ethernet Port
7. HDMI Output
8. RS-232 no use in Video wall

HVE-6601T

9 10 11   12 13 14 15

9. LEDs
10. Push button1
11. Group ID
12. DC input 5V/A
13. Gigabit Ethernet Port
14. HDMI In
15. RS-232 for Y cable to sync

Key Features

- Flexible and scalable HDMI 1080p Video Wall Broadcasting with Gigabit Ethernet LAN
- Multicasting and broadcasting architecture, no more bandwidth loading
- Support NxN display array in a single Video Wall system.
- Transmits an HDMI signal over one CAT5e/6/7 cable.
- HDMI 1.3b and HDCP 1.2 compliant
- Dual power input: 802.3af compliant PoE & DC5V
- Up to 8 transmitters and 64 receivers possible in a single system
- Built-in DIP switch to change Group ID and Utility for remotely
- RS-232 Control Pass-Thru to control HDMI display from transmitter side

Relate Products

GEP-2450
24 GE PoE with 4 Dual Speed Combo SFP Web Smart Switch

POR-0120
Gigabit PoE repeater

Technical Specifications

Maximum Resolution
HDTV 1080p (1920x1080 @ 60Hz)

System Cable
CAT5e/6/7 UTP/FTP/STP cable

HDMI Connector
Type A 19 pin, female

Signal type
HDMI 1.3 & HDCP 1.2 compliant

System Connector Type
100/1000Mbps RJ-45

Audio
HDMI formats

LED Indicator
PWR: Power LED indicator
LINK: LAN connection indicator
DATA: Data link indicator

Push Button
Push Button1: change Link / Unlink; Engineering Mode and Reset to default
Push Button2(for Receiver only): change between Video Mode / Graphic Mode ; Anti-Dither ; Update EDID

Multicast and broadcast
Support Point-to-Point, Point-to-Many and Many-to-Many network configuration
Multi-casting group with Gigabit Ethernet switch (required 802.1Q VLAN & IGMP v1/2)

Video Wall mode
Support NxN HDMI display array (n=2~8)
Up to 8 transmitters and 64 receivers possible in a single system
need a controller PC to set the Video Wall configuration

RS-232
DB9-F RS232 Port

Operating Temperature
0°C to 50°C

Operating Humidity
10~85% RH (no condensation)

Storage Temperature
-10~80°C

Storage Humidity
5~95% RH (no condensation)

Dimensions
140x114x28 mm

Power & Consumption
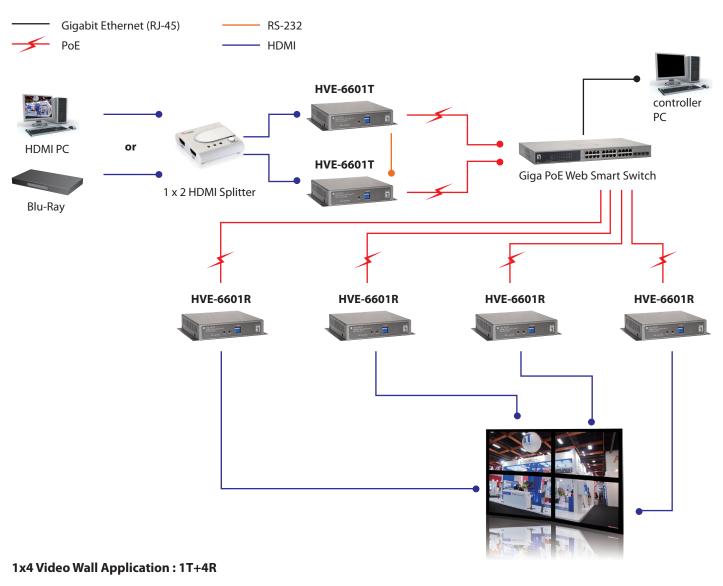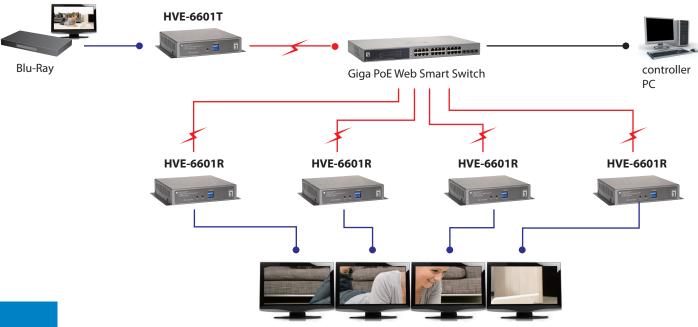5V/1A DC , 802.3af PoE
Power consumption: Max. 8W

Weight
0.8kg

regulatory Approvals
CE, FCC

Product Diagram

2x2 Video Wall Application : 2T+4R

Legend:
- Gigabit Ethernet (RJ-45)
- PoE
- RS-232
- HDMI

HDMI PC

or

Blu-Ray

1 x 2 HDMI Splitter

HVE-6601T

HVE-6601T

Giga PoE Web Smart Switch

controller PC

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1x4 Video Wall Application : 1T+4R

Blu-Ray

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Giga PoE Web Smart Switch

controller PC

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Order Information   **HVE-6601T:** HDMI Video Wall over IP PoE Transmitter

HVE-6601R: HDMI Video Wall over IP PoE Receiver

Package Contents   **HVE-6601T:**
Power Adapter
RS-232 Y-Cable
CD Manual/Utility
Quick Installation Guide

HVE-6601R:
Power Adapter
CD Manual/Utility
Quick Installation Guide

Option Accessories

equip
#332712
HDMI splitter 1-to-2

equip
#332714
HDMI splitter 1-to-4