

HVWIP-Series (HVWIP-T + HVWIP-R)



The AG Neovo HVWIP-Series (HVWIP-T + HVWIP-R) HDMI LAN video wall matrix extender for digital signage applications.

The AG Neovo HVWIP-Series, video wall matrix IP extender with audio, RS232 and KVM function provides extension of high definition video and high quality audio. HVWIP-Series can be used in any solution with its unique design, supporting:

- A. Point-to-Point (Direct Connection with CAT5/6) - 100 m
- B. Point to Multi-Point with CAT5/6 requires an unmanaged switch for dedicated network setup or Managed Network Switch for existing network which supports port based IEEE 802.1Q VLAN, IGMP v2.0 or above protocol.
- C. Matrix Function – with CAT 5/6 cable without any signal loss add multiple sources to multiple HVWIP-R which links via LAN by cascading POE Gigabit Ethernet Switches up to 3 levels, to the HVWIP-R connected to the HD Monitors at different locations on the Network. Transporting Full HD 1080p video and internally JPEG video compression adapts to available network bandwidth if needed while retaining vivid picture with 5.1 PCM audio.
- D. Video pass Function – with CAT 5/6 cable without any signal loss add multiple sources to multiple HVWIP-T and HVWIP-R to the HD displays to achieve a multi input video wall configuration. The device ensures flexibility within any video wall design, layout and configuration. Its modular design allows example 1x2, 2x2, 3x3 up to 4x3. Easily controlled via the control software to manage and setup the bezel, input and configuration of the video wall.

Features

- > Support 1080P@60Hz up to 100meters in Point-to-Point mode.
- > Support seamless switching in Many-to-Many mode.
- > Support matrix switching control over LAN by PC software
- > Support modular video wall application 1x2, 2x2, 3x3 up to 4x3
- > Support bezel compensation
- > Support Telnet IP control via IP control box
- > Support cascading connection through POE Gigabit Ethernet Switch.
- > HDMI local Wall-through out in transmitter
- > USB over IP supported for KVM application
- > HDMI de-embedded audio out with programmable audio delay
- > Support RS232 and web interface management
- > Supports (POE) Power over Ethernet on HVWIP-R side must be connected to POE Network Switch

HVWIP-Series (HVWIP-T + HVWIP-R)

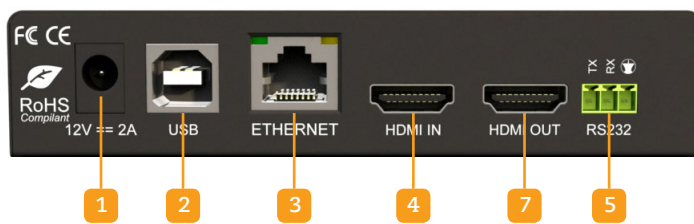
Specifications

HVWIP-Series

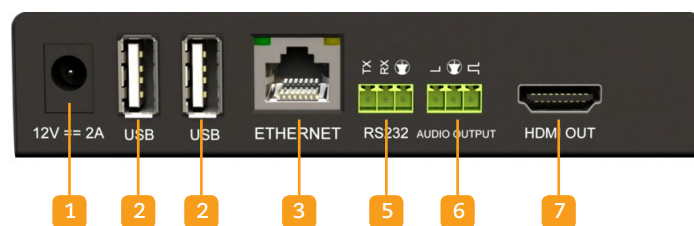
Units	HVWIP-T	HVWIP-R
Unit Description	HDMI 1.3 Video Wall Matrix Transmitter	HDMI 1.3 Video Wall Matrix Receiver
HDMI Compliance	HDMI 1.3c, DVI	
HDCP Compliance	Yes	
Video Bandwidth	120Mbps	
Video Resolutions	480i / 480p / 576i / 576p / 720p / 1080i / 1080p60	
HDMI Transmission Range	Full HD: (1080p) ~ 100 m (330 feet) (CAT5e) / 120 m (365 feet) (CAT6) HD: (720p/1080i) ~ 100 m (330 feet) (CAT5e) / 120 m (365 feet) (CAT6)	
Audio Support	Surround sound (up to 5.1 ch) or stereo digital audio	
Input Connectors	1 x RJ-45 / 1x USB type B / 1 x HDMI / 1 x RS-232 3-pin	
Output Connectors	1 x RJ-45 / 2x USB / 1 x HDMI / 2 x 3-pin	
Dimensions (L x W x H)	131 x 115 x 25 mm (5.16"x4.53"Hx0.98")	
Power Supply	2 x DC 12V/1A / Supports POE (Power Over Ethernet) when connected to POE switch	
Power Consumption	5W max each	
Operating Temperature	0°~40°C (32°~104°F)	
Storage Temperature	-20°~60°C (-4°~140°F)	
Relative Humidity	20 ~ 90% RH (no condensation)	
Package Contents	1 x HVWIP Transmitter / 1 x Power Adapter / 1 x rack-mounting ear / 1 x User's Manual HVWIP-R: 1 x HVWIP Receiver / 1 x Power Adapter / 1 x rack-mounting ear / 1 x User's Manual	

Panel Description

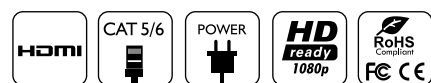
HVWIP-T



HVWIP-R



- 1 Power Connector
- 2 USB Port
- 3 Ethernet CAT5/6
- 4 HDMI In
- 5 RS-232 Connector
- 6 Audio Out Connector
- 7 HDMI Out



HVWIP-Series (HVWIP-T + HVWIP-R)

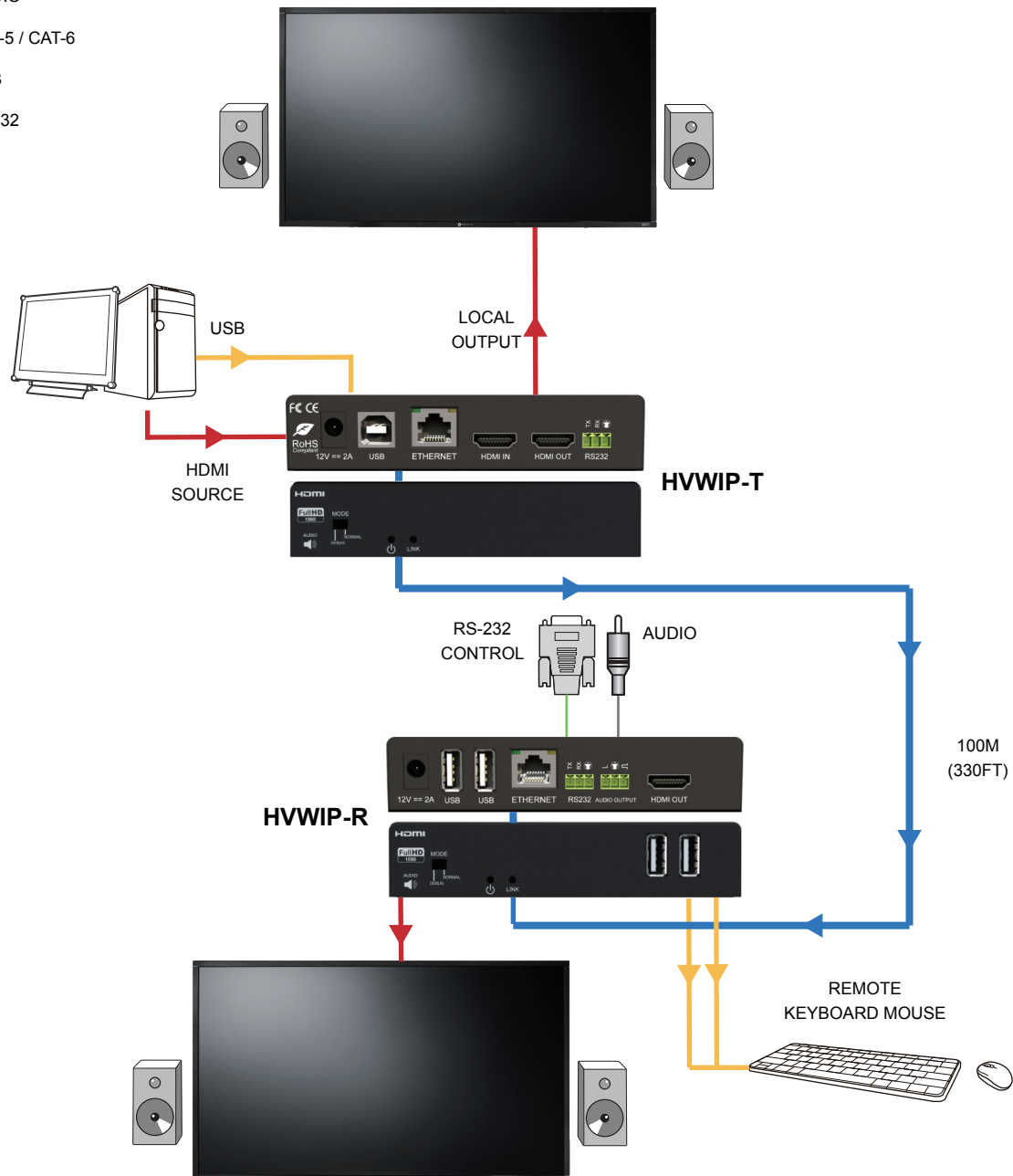
Point to Point KVM Function

CABLE INDEX

- INPUT / OUTPUT
- AUDIO
- CAT-5 / CAT-6
- USB
- RS232

1080p = 100m (330 feet) CAT5

1080p = 100m (330 feet) CAT6



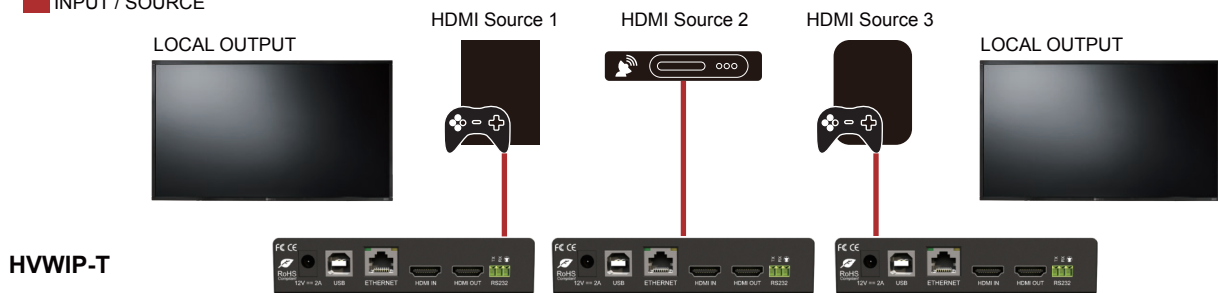
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IP LAN Matrix Function

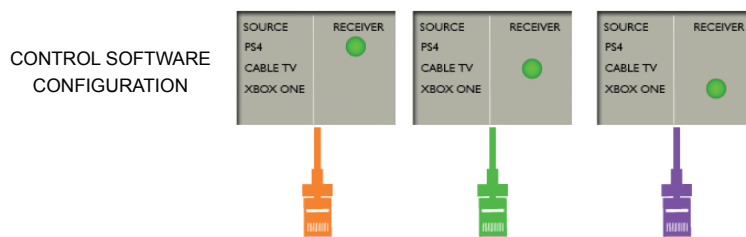
FULL HD1080P (1920X1080) = 100m (330 feet) CAT5/6
 WUXGA(1920X1200) = 100m (330 feet) CAT5/6

CABLE INDEX

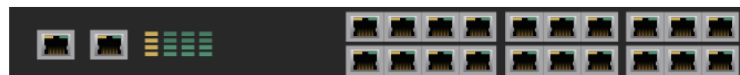
- OUTPUT
- INPUT / SOURCE



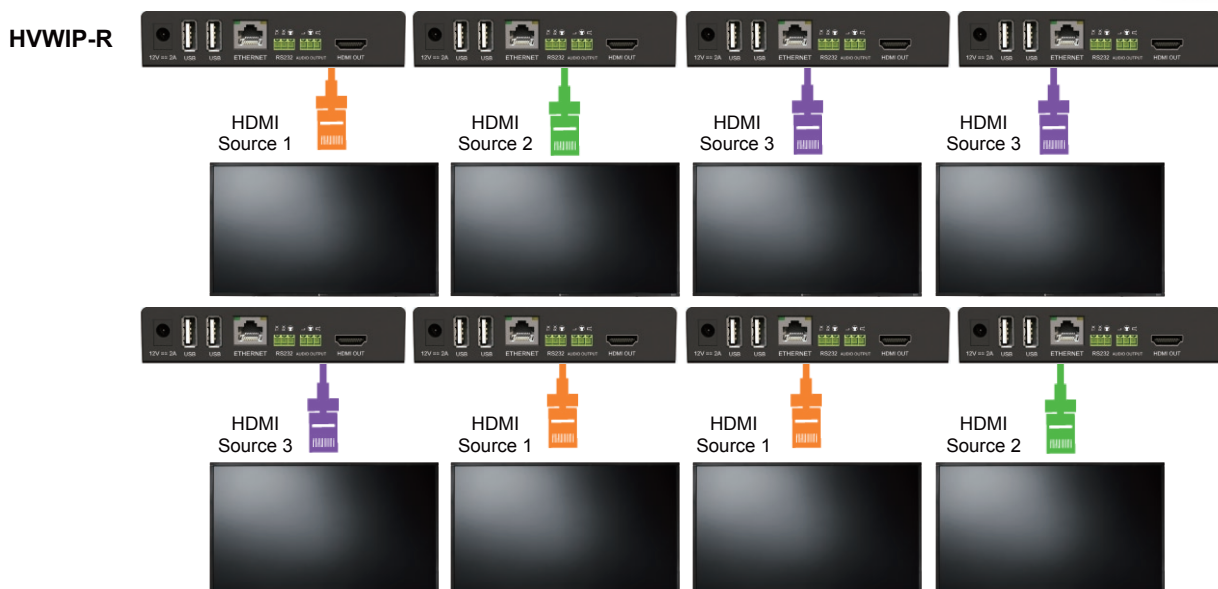
Transmitters can be up to 100m (330ft) from the Network Switch



GIGABIT SWITCH with IGMP v2.0



Receivers can be up to 100m (330ft) to HD Display



HVWIP-Series (HVWIP-T + HVWIP-R)

Videowall Application

CABLE INDEX

- INPUT / OUTPUT
- CAT5E / 6

