Overview:

The HDMI/USB IP Receiver is able to receiver AV signals transmitted by the HDMI/VGA/USB IP Wall Plate Transmitter (model: AV-IP-WP772) over an IP network, and allows HDMI displays and USB devices such as Smart White Boards to be extended up to 330ft (100m). The unit has one HDMI-Out, two USB 2.0 Type A ports, two USB 1.1 Type A ports, one Audio-Out port, one Mic-In port, and one Ethernet Port. It supports HDMI up to 1920x1080 @ 60Hz. The device supports PoE and may be powered via a PoE enabled 1Gig Ethernet Switch.

Applications:

- Commercial and residential AV systems
- K6 and K12 classroom AV systems
- Digital signage
- Boardroom systems
- Collaborative PC systems
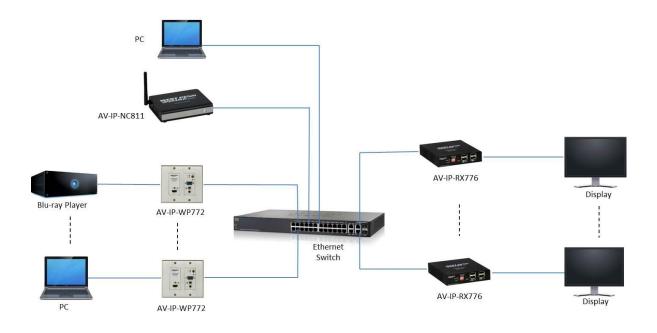- Medical information systems

Key Features:

- Extend HDMI and USB 2.0 up to 330ft (100m) over Cat5e/6 cable
- Compatible with AV-IP-WP772 Wall Plate Transmitter
- Supports HDMI video up to 1080p @ 60Hz
- Supports two (2) USB 2.0 & two (2) USB 1.1 Type A ports
- Supports an Audio-Out (for audio extract) and Mic-In port
- Supports point-to-point, point-to-multipoint and multipoint-to-multipoint applications
- Supports 100's of devices depending on network bandwidth
- PoE powered
- Controllable via IP Device Controller (AV-IP-NC811)

Specifications	
Environment	HDMI, VGA and USB connectivity.
Devices	Blu-Ray, projectors, monitors, TV, PC, laptops, servers, and Smart White Boards.
Bandwidth	225MHz
Signals	HDMI 1.3 (1080p/60Hz), USB 2.0 and HDCP 1.4.
Connectors *Note: Cables not included.*	One (1) HDMI receptacle. Four (4) USB Type A connectors. One (1) RJ45S for Ethernet connectivity. Two (2) 3.5mm jacks for Audio-Out and Mic-In. One (1) 2.1mm jack for power.
Maximum Distance *Based on a maximum length of 6.6ft (2m) of HDMI cable per end.*	Cat5e/6: 330ft (100m) *Note: When installed in an electrically noisy environment, an STP cable must be used. Also, cross-connection reduces the effective distance depending on the grade of twisted cable used.*
Latency	Typical one (1) frame (16ms)
Compression	JPG2000
Bandwidth	Up to 315Mbps
Network Requirement	1 Gig Ethernet with IGMP, Jumbo Frames and PoE
RJ45 Pin Configuration *Reverse Polarity Sensitive. Use EIA/TIA 568A or 586B straight-through wiring.*	**RJ45 Link** Pin 1 (R) Pin 2 (T) Pin 3 (R) Pin 6 (T) Pin 4 (R) Pin 5 (T) Pin 7 (R) Pin 8 (T)
Power Source	This device supports PoE (PD), an external power supply is not included. It is intended to be powered via a PoE (PSE) Ethernet Switch. If required, an optional power supply may be purchased separately (see West Penn Wire website product page for more details).
PoE	IEEE 802.3af
Power Consumption	2.55W
Temperature	Operating: 0° to 40°C Storage: -20° to 85°C Humidity: Up to 95% non-condensing
Dimensions	4.40" x 5.08" x 1.00" (112mm x 129mm x 25mm)
Weight	1.5lbs (0.68kg)
Compliance	Regulatory: FCC, CE, RoHS Flammability: 94V0
Warranty	3 years
Order Information	AV-IP-RX776 HDMI/USB IP Receiver (UPC: 612825417668)
Companion Product	May be paired with the HDMI/VGA/USB IP Wall Plate Transmitter (model AV-IP-WP772-WH & AV-IP-WP772-AL).

Typical Application

West Penn Wire | 2833 West Chestnut Street, Washington, PA, USA 15301
Tel: 800-245-4964 | E-mail: info@westpennwire.com | www.westpennwire.com