CH-U331HTXWPUD

UHD HDMI AV over IP Transmitter with USB/KVM (2Gang US)

PANELS

Front View

Rear View
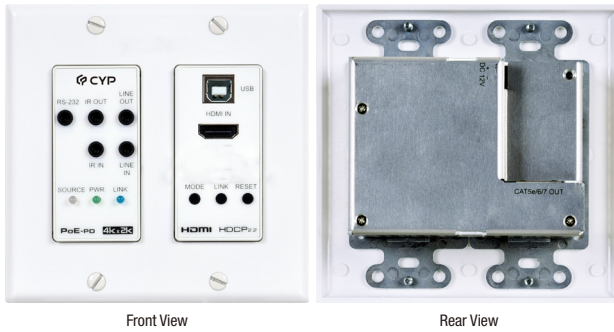
The AVoIP wall plate transmitter forms a part of a 4K UHD multi-function extension system that is able to extend HDMI signal along with analog audio, USB 2.0, IR and serial data using the TCP/IP protocol over regular Gigabit Ethernet networks. When using standard Ethernet cables, this system supports the extension of AVoIP signals up to 100 meters and the extension distance can be further extended by using gigabit network switches. This allows the user to cascade the system without signal loss or introducing delay. The USB functionality allows the system to act like a remote USB hub which provides a flexible remote KVM platform.

When the extension system's units are in multicast mode, a single AV signal can be sent to a large number of receivers within the same local network without the additional receivers increasing the bandwidth requirements. Additionally, that same multicast signal can be used to create large multidisplay video walls with amazing simplicity. When combined with the optional IP Master Controller the functionality of the system expands exponentially. Its centralized web-based interface greatly simplifies control and management of large distributed video matrix or video wall systems adding to their flexibility in large home or commercial installations.

DIAGRAM
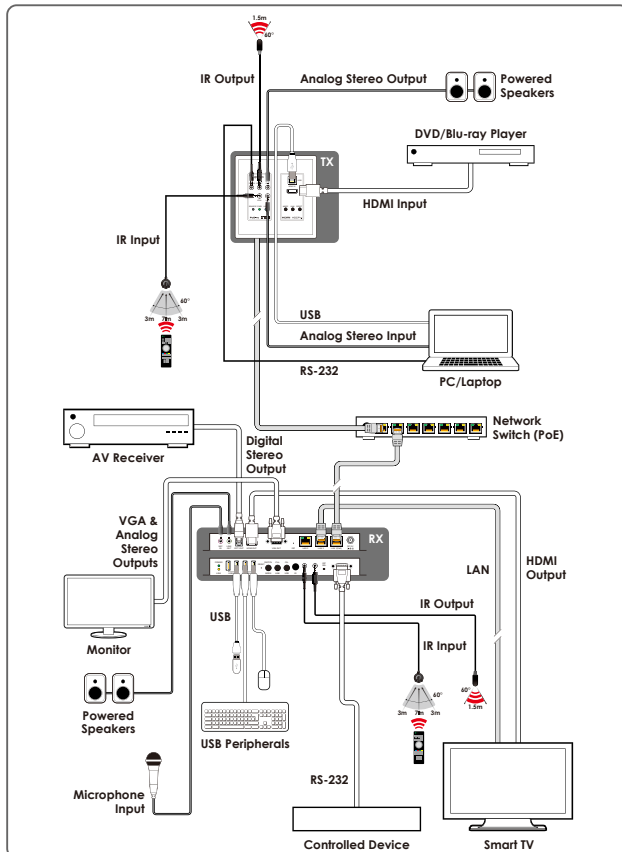
FEATURES

- Video, audio and control transmission over TCP/IP in Unicast (point-to-point) or Multicast (single-to-many, many-to-many) modes
- When connected, the analog Line In audio is automatically embedded into the transmitted signal for output on connected Receivers via HDMI and their analog Line Out ports
- The Mic In on a connected Receiver will send audio directly to the analog Line Out on this Transmitter
- May be powered directly by PoE when connected to a Gigabit Ethernet switch that provides PoE (802.3af)
- Supports USB keyboard, mouse and storage extension

SPECIFICATIONS

Interfaces

Input Port	1 HDMI (Type-A) 1 Analog Stereo (3.5mm)
Output Port	1 GbE LAN (RJ-45) 1 Analog Stereo (3.5mm)
Control I/O	1 IR Extender (3.5mm) 1 IR Blaster (3.5mm) 1 RS-232 (3.5mm) 1 USB (Type-B)

Video

HDMI Compliance	HDMI 2.0	
HDCP Compliance	2.2	
Input Signal Type	4K@60 8bit YUV 4:2:0	
Output Signal Type	4K@30 8bit YUV 4:2:0	
	Resolutions	
Maximum Input	HDMI	4096×2160p@60 YUV 4:2:0
Maximum Output	LAN (Streaming)	4096×2160p@30

Audio

HDMI	LPCM (8 Channels), Bitstream, HD Bitstream
Line In	2 Vrms S/N Ratio: > 80dB (1kHz with 0dBFS)
Line Out	2 Vrms S/N Ratio: > 80dB (1kHz with 0dBFS)

Power

Power Supply	PoE from Receiver
Power Consumption	10W

Enclosure

Chassis Material	Plastic and Metal (Steel)
Chassis Color	White
Dimensions (W×H×D)	91.8mm×103.4mm×49.55mm [Case Only] 91.8mm×103.4mm×54mm [All Inclusive]
Weight	237g

Field Firmware Update

PC Update, WebGUI

ORDERING INFORMATION

Model No.	Product Description
CH-U331HTXWPUD	UHD HDMI over IP Transmitter with USB/KVM Wall Plate (2 Gang US)
CH-U331RX	UHD+ HDMI/VGA over IP Receiver with KVM Extention
CH-U331TR	UHD AV over IP Transceiver
CDPS-CS7	AV over IP Master Controller