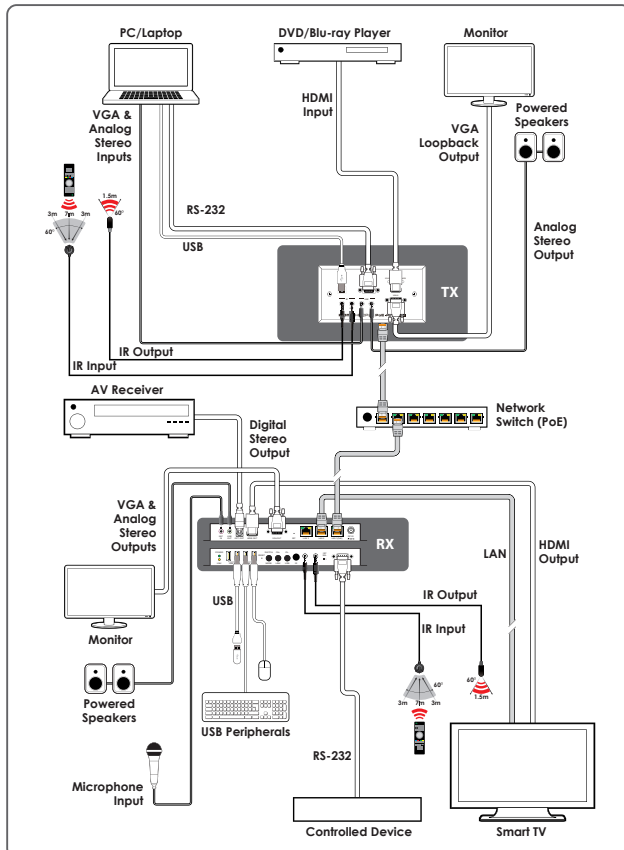# CH-U331TXWPUK

The AVoIP wall plate transmitter is part of a 4K UHD Multi-Function Extension system is able to extend HDMI or VGA signals along with KVM through Cat.5e/6/7 network cable and transmit UHD video signals, audio and USB up to 100m on a single cable. The transmission distance can be further extended (up to 100m per segment) by using gigabit network switches, allowing the user to cascade the system without signal loss or introducing delay. Pairing to existing series receiver unit with built-in 3 LAN Ethernet switch, could able to extend and expand a basic system without the need for an external network switch. This unit also allows you to send a single AV signal to a large number of Receivers within the same local network. Additionally, that same multicast signal can be used to create large multi-display video walls with amazing simplicity. This system is perfect for both residential and commercial installation environments.

The USB functionality allows the system to act like a remote USB hub which when combined with the video extension feature, provides a flexible remote KVM platform. Configuration information is provided via the On-Screen Display (OSD). The unit can be controlled via WebGUI, Telnet, and the IP Master Controller.

## PANELS



Front View

Rear View

## 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)<br>1×VGA (HD-15)<br>1×Analog Stereo (3.5mm) |
| **Output Port** | 1×GbE LAN (RJ-45)<br>1×Analog Stereo (3.5mm) |
| **Control I/O** | 1×IR Extender (3.5mm)<br>1×IR Blaster (3.5mm)<br>1×RS-232 (DB-9)<br>1×USB (Type-B) |

### Video

| | | |
|---|---|---|
| **HDMI Compliance** | 2.0 | |
| **HDCP Compliance** | 2.x | |
| **Input Signal Type** | 4096x2160p@60 8bit YUV 4:2:0 | |
| **Output Signal Type** | 4096x2160p@60 8bit YUV 4:2:0 | |
| | | **Resolutions** |
| **Maximum Input** | HDMI | 4096×2160p@60 YUV 4:2:0 |
| | VGA | 1920×1200p@60RB |
| **Maximum Output** | LAN (Streaming) | 4096×2160p@30 |

### Audio

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

### Power

| | |
|---|---|
| **Power Supply** | PoE from Receiver |
| **Power Consumption** | 20W |

### Enclosure

| | |
|---|---|
| **Chassis Material** | Metal (Steel) |
| **Chassis Color** | White |
| **Dimensions (W×H×D)** | 147mm× 87mm× 42mm [Case Only]<br>147mm× 87mm× 53mm [All Inclusive] |
| **Weight** | 246g |

### Field Firmware Update

PC Update, WebGUI

## ORDERING INFORMATION

| Model No. | Product Description |
|---|---|
| **CH-U331TXWPUK** | HDMI/VGA over IP Transmitter with USB/KVM Wall Plate Extender |
| **CDPS-CS7** | IP Master controller |
| **CH-U331RX** | HDMI/VGA over IP Receiver with USB/KVM Extension |
| **CH-U331TR** | UHD HDMI/DP to IP AV over IP Transceiver |