

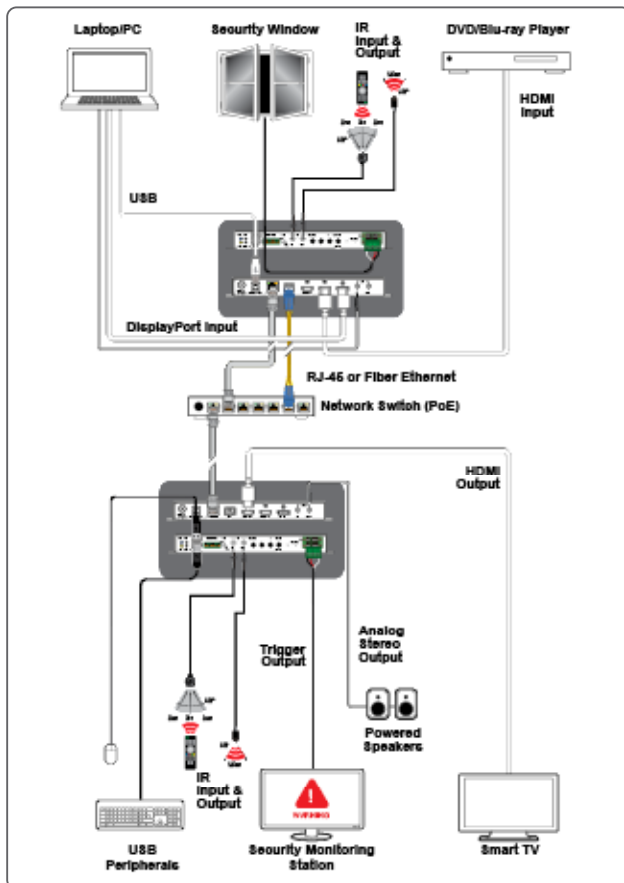


The Dual-Format 4K UHD AV over IP Transceiver are innovation design of integrate Transmitter and Receiver into one unit; user could able to switch unit into Transmitter or receiver by the needs. The Transceiver supports the transmission of Ultra High-Definition signals (up to 4K@30Hz, 4:4:4 or 4K@60Hz, 4:2:0) with audio and USB up to 100 meters on a single cable. The transmission distance can be further extended (up to 100 meters per segment) by using gigabit network switches, or using SFP fiber cable to extend (up to 550m~2km, depends on the Fiber module that been used), allowing the user to cascade the system without signal loss or introducing delay. It is also possible to have the Transmitter operate in multicast mode, allowing you to send a single AV signal to a large number of Receivers within the same local network.

### PANELS



### DIAGRAM



### ORDERING INFORMATION

Model No.	Product Description
CH-U331TR	UHD AV over IP Transceiver
CDPS-CS7	AV over IP Master Controller
CH-U331TX	UHD <sup>+</sup> HDMI/VGA over IP Transmitter with KVM Extension
CH-U331RX	UHD <sup>+</sup> HDMI/VGA over IP Receiver with KVM Extension
CH-331H-TX	HDMI over IP Transmitter
CH-331H-RX	HDMI over IP Receiver

### FEATURES

- Video, audio, and control transmission over TCP/IP in Unicast(point-to-point) or Multicast (single-to-many, many-to-many) modes
- The analog Line In sends audio directly to the analog Line Out and is inserted into the HDMI output
- Unit may powered directly by PoE when connected to a Gigabit Ethernet switch that provides PoE (802.3af)
- Supports USB keyboard, mouse and storage extension
- Device has an info OSD and can be controlled via WebGUI, Telnet, and front panel controls
- Depends on different site scenario to configure as Transmitter or Receiver and easy maintain the stock and spare unit

### SPECIFICATIONS

#### Interfaces

<b>Input Port</b>	1 HDMI (Type-A) 1 DisplayPort 1 Unbalanced Stereo (3.5mm)
<b>Output Port</b>	1 HDMI (Type-A) 1 Unbalanced Stereo (3.5mm)
<b>Bidirectional Port</b>	1 SFP 1 Cat.5e/6/7 (LAN)
<b>Control I/O</b>	8 trigger [terminal block, 0x4, 1x4] 2 USB Type-A 1 USB Type-B 1 IR Extender [3.5mm] 1 IR Blaster [3.5mm] 1 RS232 (6-pin Terminal Block)

#### Video

<b>HDMI Compliance</b>	HDMI 2.0 (DVI 1.0)
<b>HDCP Compliance</b>	2.2
<b>Input Signal Types</b>	HDMI 4K@60 12bit YUV 4:2:0 DP 4K@60 12bit YUV 4:2:0
<b>Output Signal Types</b>	TX Bypass 4K@60 RX Bypass (local input) 4K@30 8bit RGB (over IP)

#### Resolutions

<b>Maximum Input</b>	HDMI 4096×2160p@60 YUV 4:2:0 DP 4096×2160p@60Hz YUV 4:2:0
<b>Maximum Output</b>	HDMI 4096×2160p@60Hz YUV 4:2:0

#### Audio

<b>HDMI</b>	LPCM (8 Channels), Bitstream bypass
<b>Line In</b>	2 Vrms
<b>Line Out</b>	2 Vrms

#### Power

<b>Power Supply</b>	5V/4A
<b>Power Consumption</b>	18.92W (Full load)

#### Enclosure

<b>Chassis Material</b>	Metal
<b>Chassis Color</b>	Black
<b>Dimensions (W×H×D)</b>	231.5mm×25mm×158mm [Case Only] 231.5mm×25mm×167mm [All Inclusive]
<b>Weight</b>	929g

#### Field Firmware Update

PC Update, WebGUI