

CH-U331TX

UHD+ HDMI/VGA over IP Transmitter with KVM Extension



The CH-U331TX, one 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. The Receiver unit includes a built-in 3 port Ethernet switch which can be used to extend and expand a basic system without the need for an external network switch.

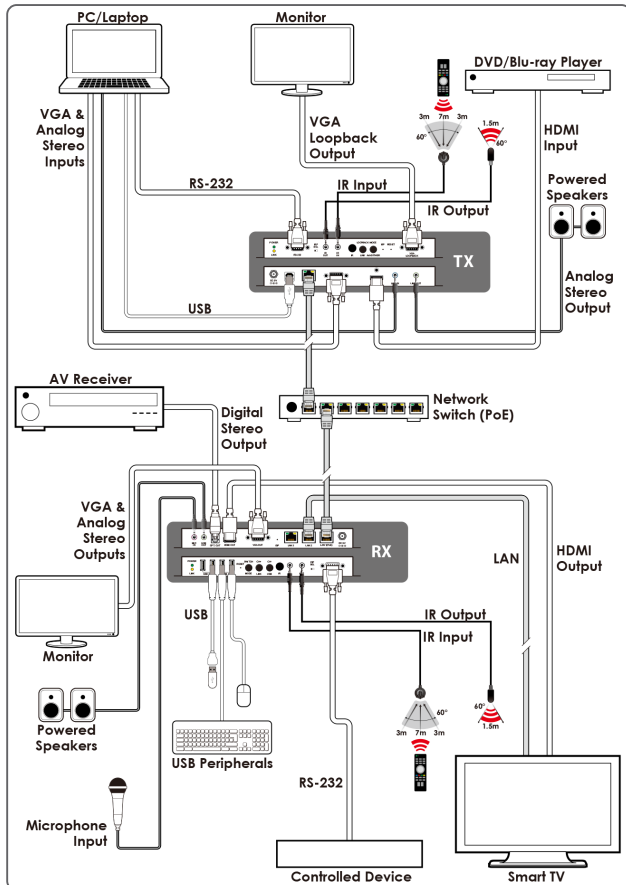
CH-U331TX also allows you to send a single AV signal to a large number of Receivers within the same local network. Additionally, that same multicast signal can be used to create large multi-display video walls with amazing simplicity. This system is perfect for both residential and commercial installation 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) on the Receivers and both unit types can be controlled via front panel buttons, WebGUI, Telnet, and the AV over IP Master Controller .

PANELS



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 1 VGA (HD-15) 1 Analog Stereo (3.5mm)
Output Port	1 VGA (HD-15) 1 Analog Stereo (3.5mm)
Bi-directional Port	1 GbE LAN (RJ-45)
Control I/O	1 IR Extender (3.5mm) 1 IR Blaster (3.5mm) 1 RS-232 (DB-9) 1 USB (Type-B)

Video

HDMI Compliance	HDMI 2.0 (DVI 1.0)
HDCP Compliance	2.2
Input Signal Type	4K@60 YUV 4:2:0
Output Signal Type	4K@30 8bit RGB

Resolutions

Maximum Input	HDMI	4096×2160p@60 YUV 4:2:0
	VGA	1920×1200p@60RB
Maximum Output	LAN (Streaming)	4096×2160p@30
	VGA	1920×1200p@60RB

Audio

HDMI	LPCM (8 Channels), Bitstream, High Bit Rate 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	5V/2.6A DC (Locking)
Power Consumption	7.15W

Enclosure

Chassis Material	Metal (Steel)
Chassis Color	Black
Dimensions (W×H×D)	231.5mm×25mm×108mm [Case Only] 231.5mm×25mm×120mm [All Inclusive]
Weight	660g

Field Firmware Update

WebGUI

ORDERING INFORMATION

Model No.	Product Description
CH-U331TX	UHD+ HDMI/VGA over IP Transmitter with KVM Extension
CH-U331RX	UHD+ HDMI/VGA over IP Receiver with KVM Extension
CH-U331TR	UHD+ HDMI/DP UHD AV over IP Transceiver with USB/KVM Extension
GDPS-CS7	AV over IP Master Controller