CH-U351HTX

This unit is part of a 4K UHD Multi-Function Extension system that allows you to extend HDMI or VGA signals along with KVM using the TCP/ IP protocol over regular Cat.5e/6/7 network cable. This extender supports the transmission of Ultra High-Definition signals (up to 4K@30Hz YUV 4:4:4 or 4K@60Hz YUV 4:2:0) with 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. It is also possible to have the extension system's Transmitter operate in multicast mode, allowing you to send a single AV signal to a large number of Receivers within the same local network. It is useful for user to create large multi-display video walls with amazing simplicity. This unit supports Key Control (show me function) with 2 RJ-45 connectors connecting to optional key pad.

PANELS

Front View

Rear View

FEATURES

- Video, audio and control transmission over TCP/IP in Unicast (point-to-point) or Multicast (single-to-many) modes
- Support with 0°, 180°, 270° increments rotation
- The analog Line In on the Transmitter sends audio directly to the analog Line Out and is inserted into the HDMI output on connected Receivers
- The Mic In on the Receiver sends audio directly to the analog Line Out on the Transmitter
- Both Tx and Rx 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 and IR ,RS-232 bypass
- Unit can be controlled via WebGUI, Telnet, and front panel controls

SPECIFICATIONS

Interfaces

Input Port	1 HDMI (Type-A) 1 USB Type-C 1 Unbalanced Stereo (3.5mm)
Output Port	1 Analog Stereo (3.5mm) 1 LAN (RJ-45)
Control I/O	1 USB (Type-B) 1 IR Extender (3.5mm) 1 IR Blaster (3.5mm) 1 RS-232 (DB-9) 2 Control Button (RJ-45)

Video

HDMI Compliance	HDMI 2.0 (DVI 1.0)	
HDCP Compliance	2.2	
Input Signal Type	4K@60 8bit YUV 4:2:0	
Output Signal Type	4K@60 8bit YUV 4:2:0	
	Resolutions	
Maximum Input	HDMI	4096×2160p@60 (YUV 4:2:0)
	USB-C	4096×2160p@60 (YUV 4:2:0)
Maximum Output	LAN	4096×2160p@30

Audio

Input Signal Types	HDMI, Unbalanced Stereo
Output Signal Types	Unbalanced Stereo
Digital Formats	HDMI 2CH LPCM, 8CH LPCM, Standard Bitstream

Power

Power Supply	5V/2.6A DC (Locking)
Power Consumption	TBD (Full Load)

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-U351H-TX	UHD HDMI/USB-C over IP Transmitter with KVM Extension
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
CDPS-CS7	AV over IP Master Controller
CH-U353TX	UHD Video over IP Tx
CH-U353RX	UHD Video over IP Rx
CH-U350TX	HDMI/VGA over IP Transmitter with USB/KVM Extension
CH-331H-TX	HDMI over IP Transmitter
CH-331H-RX	HDMI over IP Receiver
ADP-0274AEG210C	Switching Power Supply 5VDC/2.6A
CBL-IR10C3SA200	3.5ØIR cable L:200cm 30-50KHz
CBL-E3.5IF-20A	3.5ØIR cable(Blaster) 2725#28 L:200cm
TML-F7353-03	RS232 3-pin terminal block
CBL-MPBCAT-10	Key in cable (1M)

DIAGRAM