



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. CH-U353RX 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.

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
- Supports Key Control(show me function), can connect key pad through popular RJ-45 connector (key pad is optional)

SPECIFICATIONS

Interfaces

Input Port	1×Analog Stereo (3.5mm)
Output Port	1×HDMI (Type-A) 1×S/PDIF (TOSLINK) 1×Analog Stereo (3.5mm)
Bi-Directional Port	3×GbE LAN (RJ-45)
Control I/O	2×USB2.0 (Type-A) 2×USB1.1 (Type-A) 1×IR Extender (3.5mm) 1×IR Blaster (3.5mm) 1×RS232 (3-pin terminal block) 2×Control button(RJ-45)

Video

HDMI Compliance	HDMI 2.0 (DVI 1.0)
HDCP Compliance	HDCP 2.x
Input Signal Type	4096x2160p@30 8bit RGB
Output Signal Type	4096x2160p@30 8bit RGB

Resolutions

Maximum Input	LAN (Streaming)	4096×2160p@30
Maximum Output	HDMI	4096×2160p@30

Audio

Digital Formats	HDMI	LPCM (8Channels), Bitstream, High Bit Rate Bitstream
	Line Out/Optical Out	LPCM (2Channels)
Line Level	Mic In	300 mVrms, S/N Ratio: > 80dB (1kHz with 0dBFS)
	Line Out	2 Vrms, S/N Ratio: > 80dB (1kHz with 0dBFS)

Power

Power Supply	5V/ 4A DC (Locking) or PoE
Power Consumption	TBD

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-U353RX	UHD Video over IP Rx
CH-U353TX	UHD Video over IP Tx
CH-U350TX	HDMI/VGA over IP Transmitter with USB/KVM Extension
CDPS-CS7	IP Master Controller
CH-U331TX	HDMI/VGA over IP Transmitter with USB/KVM Extension
CH-U331RX	HDMI/VGA over IP Receiver with USB/KVM Extension
CH-331H-TX	HDMI over IP Transmitter
CH-331H-RX	HDMI over IP Receiver
ADP-059-SWAT	Switching Power Supply 5VDC/4A
CBL-IR10C3SA200	3.5ΦIR cable L:200cm 30-50KHz
CBL-E3.5IF-20A	3.5ΦIR cable(Blaster) 2725#28 L:200cm
TML-F7353-03	RS232 3-pin terminal block
CBL-MPBCAT-10	Key in cable (1M)

DIAGRAM

