CH-U331TR

NEW **4K30 HDMI/DP over Cat.5e/Fiber Transceiver with IR, RS-232, PoE & USB/KVM**

INTRODUCTION

This Transceiver is designed for high-quality, IP routable, AV extension with minimum latency. Every Transceiver can be configured to function as either a Transmitter or a Receiver, enhancing the flexibility of any installation. This extender supports the transmission of Ultra High-Definition signals from HDMI or DisplayPort (up to 4K@30Hz, 4:4:4 or 4K@60Hz, YUV 4:2:0) with audio and USB up to 100m on a single Cat.5e cable or up to 2km using fiber (550m~2km, depending on the type of fiber module used). The transmission distance can be further extended by using Gigabit network switches, allowing the user to cascade the system without signal loss or introducing delay.

When the Transceiver is configured as a Transmitter, it can also operate in multicast mode, allowing it 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. The unit may also be powered directly by PoE when connected via Cat.5e to a Gigabit Ethernet switch that provides PoE (802.3af) allowing for great flexibility in installation location. This system is perfect for residential, educational, or commercial installation environments.

This Transceiver also features bidirectional IR and RS-232 pass-through, and analog line level in/out, providing the user with a variety of install application options. The USB functionality allows the system to act like a remote USB hub which and when combined with the digital video input/output, creates a flexible remote KVM platform. Basic configuration is provided via front panel controls with an OSD, expanded functionality is controlled via WebGUI, Telnet, or by the optional IP Master Controller unit.

HDCP 2.2 | 4K30 4:4:4 | Fiber Multi-mode 300m | Copper 100m | PoE Power over Ethernet | µCS Micro System Control

FEATURES

- HDMI 2.0 and DVI 1.0 compatible
- HDCP 1.x & 2.2 compliant
- 1 HDMI and 1 DisplayPort input
- 1 HDMI output
- Video, audio, and control transmission over TCP/IP in Unicast (point-to-point) or Multicast (single-to-many) modes
- Multi-monitor video wall support with 90 degree rotation
- Input resolutions up to 4K@60Hz (YUV 4:2:0, 8-bit) or 4K@30Hz (4:4:4, 8-bit)
  Note: 4K@50/60Hz (YUV 4:2:0) sources are automatically converted to 4K@25/30Hz (RGB) before transmission.
- Supports pass-through of audio formats including LPCM 2.0/5.1/7.1, and Bitstream over HDMI
- The analog Line In, when in Transmitter mode, sends audio directly to the analog Line Out and is automatically inserted into the HDMI output on connected Receivers
- Unit can be powered directly by PoE when connected to a Gigabit Ethernet switch that provides PoE (802.3af)
- Supports USB keyboard, mouse and storage extension
- Supports IR and RS-232 bypass
- Basic configuration is provided via front panel controls with an OSD, expanded functionality is controlled via WebGUI, Telnet, or by the optional IP Master Controller unit

VoIP Transceivers

SPECIFICATIONS	COH-TR6	CH-V501TR	CH-U331TR
Input Ports	1×HDMI 1×DP	1×HDMI	1×HDMI 1×DP 1×Stereo (3.5mm)
Output Ports	1×HDMI	1×HDMI	1×HDMI 1×Stereo (3.5mm)
Bidirectional Ports	1×Fiber (LC) 1×Stereo (3.5mm)	1×LAN (RJ45) 1×Stereo (3.5mm)	1×Fiber (LC) 1×LAN (RJ45)
Pass-through Ports	1×IR Extender (3.5mm) 1×IR Blaster (3.5mm) 1×RS-232 (Terminal Block) 1×LAN (RJ45) 1×USB Host/Device (Mini-B)	1×IR Extender (3.5mm) 1×IR Blaster (3.5mm) 1×RS-232 (Terminal Block) 1×LAN (RJ45) 1×USB Host/Device (Mini-B)	1×IR Extender (3.5mm) 1×IR Blaster (3.5mm) 1×RS-232/422/485 (Terminal Block) 1×USB Host (Type-B) 2×USB Device (Type-A)
Control Ports	N/A	N/A	8×Trigger (Terminal Block)
Power Supply	12V/3A	12V/3A	5V/4A
Dimensions	231.5mm×25mm×158mm (W×H×D) [Case Only] 231.5mm×25mm×166.7mm (W×H×D) [All Inclusive]	231.5mm×25mm×108mm (W×H×D) [Case Only] 231.5mm×25mm×116.7mm (W×H×D) [All Inclusive]	231.5mm×25mm×108mm (W×H×D) [Case Only] 231.5mm×25mm×117mm (W×H×D) [All Inclusive]
Weight	940g	356g	918g

The specifications and features listed for pre-release hardware is subject to change.