CH-V501TR

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. By using a sophisticated ultra-light compression scheme (lossless for most content) it's a great solution for extending 4K HDMI audio/video streams and data. Advanced HDMI content such as HDR (High Dynamic Range), 10-bit color and multi-channel HD Bitstream audio can be transmitted in pass-through mode. The use of high quality 10-Gigabit Ethernet ports and Cat.6a cable allows for point-to-point transmission of the video signal up to 100m. Multiple control and data signals may also be transmitted along with the audio and video, including IR, RS-232, and Ethernet.

When combined with the optional control center or control software, the functionality of the Transceiver expands exponentially. Multiple Transceivers may be combined with one or more 10-Gigabit Ethernet switches and the units can be used together to form a distributed video matrix, a multi-viewer system, or a video wall system adding to their flexibility in large event installations. The unit may also be powered directly by PoE when connected via Cat.6a to a Gigabit Ethernet switch that provides PoE (802.3af) allowing for great flexibility in installation location. The built-in EDID and HDCP management functionality enables the unit to fit into every situation. Basic configuration of the unit can be achieved via front panel buttons with an On-Screen Display (OSD). Advanced control requires optional control software and a LAN connection.

FEATURES

- HDMI 2.0 and DVI 1.0 compatible
- HDCP 2.2 and HDCP 1.x compliant
- Can be configured to function as either a Transmitter or a Receiver
- 1 HDMI input
- 1 HDMI output (Functions as local monitor output in Transmitter mode)
- 1 analog stereo jack (switchable between input/output mode)
- IP switchable with minimum latency (requires optional control center/software)
- Ultra-light compression, lossless for most content
- Extension up to 100m in point-to-point mode
- Independent breakaway A/V matrix switching (requires optional control center/software)
- Video wall generation (requires optional control center/software)
- Multi-view compositing (requires optional control center/software)
- Supports pass-through of 10/12-bit HDR sources (Point-to-Point and Genlock mode only)
- Supports pass-through of audio formats including LPCM 2.0/5.1/7.1, Bitstream and HD Bitstream from HDMI or DisplayPort sources
- Analog stereo audio extension, insertion and extraction (insertion and extraction requires optional control center/software)
- Bidirectional RS-232 & IR extension
- Unit can be powered directly by PoE when connected to a Gigabit Ethernet switch that provides PoE (802.3af)
- Signal transmission interfaces with 10-Gigabit Ethernet switches via a single Cat.6a cable
- Basic configuration via front panel buttons with an On-Screen Display (OSD)
- Supports the use of an external control center or control software to provide expanded functionality (Contact your authorized dealer for more information!)

HDCP 2.2 | HDR 4K | 4K60 4:4:4 | Copper 100m | PoE Power over Ethernet

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

CYP   For more information, go to www.cypress.com.tw

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

VIDEO, AUDIO &
USB/KVM

OVER TCP/IP
NETWORK

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