

COH-TR6

NEW 4K HDR HDMI/DP over Fiber Transceiver with IR, RS-232, LAN & 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. By using a sophisticated ultra-light compression scheme (lossless for most content) it's a great solution for extending 4K audio/video streams (HDMI or DisplayPort) 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 interchangeable, field replaceable, SFP+ modules allows for transmission distances of up to 30km (Maximum transmission distance depends on the SFP+ modules used). Multiple control and data signals may also be transmitted along with the audio and video, including IR, RS-232, USB (for KVM) 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 fiber 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 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 and 1 DisplayPort 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 30km (depending on the fiber module used)
- 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 & USB 2.0 extension
- Signal transmission interfaces with 10-Gigabit Ethernet switches via XFI, IEEE 802.3ae, compatible SFP+ fiber modules
- 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)



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

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