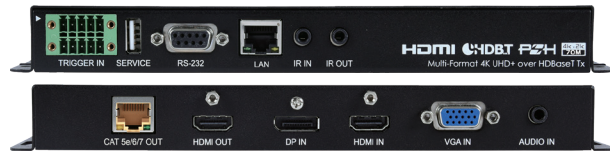


CH-2535TX

4K60 (4:4:4) HDMI/DP/VGA over HDBaseT Transmitter with IR, RS-232, PoH (PD) & LAN



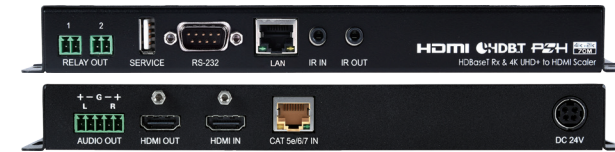
INTRODUCTION

This new collaboration Transmitter and Receiver system is a convenient turnkey solution for video selection and extension in conference rooms, classrooms and showrooms. These units provide not only AV conversion and extension but also an intelligent and easy way to control devices throughout the entire venue. The three most common input interfaces (HDMI, DisplayPort, and VGA) are supported by the Transmitter, providing the ultimate in source compatibility and flexibility. The HDMI and DisplayPort inputs both support resolution/timing up to a maximum of 4K@60Hz (4:4:4, 8-bit) which is converted, as appropriate, for transmission over HDBaseT. The selected source can be transmitted over Cat.6/7 cable up to 70m (at 4K@60Hz). The Receiver can scale the HDBaseT video source, or local HDMI input, to match the connected display's resolution requirements.

The Transmitter also provides an interface for a remote control keypad, or trigger interface, which can be easily installed within a podium or within a table in a conference room or classroom. This interface can allow the user to control a wide range of devices by activating single commands or complex macros and sending commands out over the local network. In order to provide a more robust selection of control options, the Receiver also supports 2 relay connections, providing instant control over projector screens, curtains, lights, etc. The unique macro programmability allows for the implementation of multiple command activations from a single button press. These units are controllable via top panel controls (with OSD), WebGUI, Telnet, and RS-232.

CH-2535RX

4K60 (4:4:4) HDMI over HDBaseT Receiver with IR, RS-232, PoH (PSE) & LAN



FEATURES

- HDMI, DisplayPort, and VGA input support
- Input resolution support up to 4K@60Hz (4:4:4, 8-bit) via HDMI & DisplayPort
- HDBaseT feature support: HD Video and Audio, 100BaseT Ethernet, 48V PoH, and bidirectional IR pass-through
- Receiver's scaled output supports resolutions up to 4K@60Hz (4:4:4, 8-bit) via HDMI
- Support pass-through of LPCM 2.0/5.1/7.1, Bitstream & HD Bitstream audio formats
- External analog stereo audio embedding/de-embedding support
- Support for automatic input detection and automatic switching on source loss
- Supports controlling a wide variety of conference room equipment such as media players, projectors, projection screens, curtains, etc. via Ethernet, RS-232, IR, or relay (method is device dependent)
- Support for IR code learning as well as IR broadcasting
- Supports Telnet for both client and server functionality
- Control system supports defining up to 16 devices to simplify control and management of controlled devices within the system
- Integrated macro command lists support activating multiple events from a single button press (up to 16 actions per macro)
- Battery backed up RTC (Real Time Clock) to control scheduled macro execution and program event activation
- Supports extended keypad (trigger) control for easy, single button, macro activation (optional equipment)
- Compatible with the wall plate control system, allowing for full control of devices within the same Ethernet network (optional equipment)
- Advanced EDID management options including Internal, External, and User configurations
- Easy firmware updates in the field via USB thumb drive or WebGUI
- Controllable via top-panel buttons (with OSD), WebGUI, Telnet, and RS-232



SPECIFICATIONS	CH-2535TX
Input Ports	1×HDMI 1×DisplayPort 1×VGA (HD-15) 1×Stereo (3.5mm)
Output Ports	1×HDMI 1×HDBaseT (RJ-45)
Pass-through Ports	1×IR Blaster (3.5mm) 1×IR Extender (3.5mm) 1×RS-232 (DE-9) 1×LAN (RJ-45)
Control Ports	8×Trigger (Terminal Block)
Power Supply	48V PoH
Dimensions	231.5mm×25mm×108mm (W×H×D) [Case Only] 231.5mm×25mm×120mm (W×H×D) [All Inclusive]
Weight	420g

SPECIFICATIONS	CH-2535RX
Input Ports	1×HDMI 1×HDBaseT (RJ-45)
Output Ports	1×HDMI 1×Stereo (Terminal Block)
Pass-through Ports	1×IR Blaster (3.5mm) 1×IR Extender (3.5mm) 1×RS-232 (DE-9) 1×LAN (RJ-45)
Control Ports	2×Relay (Terminal Block)
Power Supply	24V/2.7A
Dimensions	231.5mm×25mm×108mm (W×H×D) [Case Only] 231.5mm×25mm×120mm (W×H×D) [All Inclusive]
Weight	430g



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