

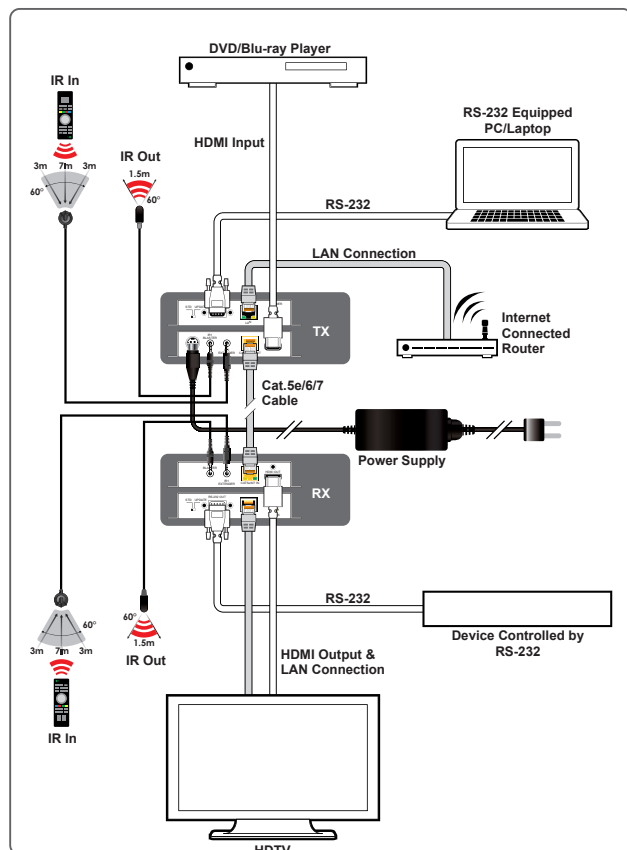


The HDMI over single CAT5e/6/7 Receiver can receive uncompressed audio/video and IP data over a single run of CAT5e/6/7 cable at a distance up to 100 meter. It has the added benefit of control through the built-in RS-232 and IR ports and a bi-directional LAN serving connection. The Receiver (PD) can be powered by the PoE 48V function of the Transmitter (PSE), allowing for greater flexibility in installations.

### PANELS



### DIAGRAM



### FEATURES

- Supports pass-through of audio formats including LPCM 2.0/5.1/7.1, Bitstream and HD Bitstream over HDMI
- RS-232 with baud rate up to 115200/sec
- Supports wide range of IR frequency from 30~50kHz
- HDMI with 3D, 4K2K support, HDMI & DVI Compliant
- Supports CEC bypass
- Simultaneous reception of uncompressed data over a single 100m/328ft CAT5e/6/7 cable
- 5Play™ convergence: HDMI, LAN, PoE & Control (IR & RS-232)
- Supports resolution up to 4K2K@50/60 & YUV 4:2:0 and 21:9
- Supports standard 48V from Transmitter (PSE) to Receiver (PD)
- Installation Friendly
- Supports HDMI Output cable distance up to 5m at 4K2K@50/60 & YUV 4:2:0

*Note: Displaying HDMI 3D and 4K2K contents, equivalent source signal and HDMI cable are required in order to secure the quality.*

### SPECIFICATIONS

#### Interfaces

|                          |                                                                         |
|--------------------------|-------------------------------------------------------------------------|
| <b>Input Port</b>        | 1 x CAT5e/6/7 (RJ-45)                                                   |
| <b>Output Port</b>       | 1 x HDMI (Type-A)                                                       |
| <b>Control I/O</b>       | 1 x LAN (RJ-45)                                                         |
| <b>Pass-through Port</b> | 1 x IR Extender (3.5mm)<br>1 x IR Blaster (3.5mm)<br>1 x RS-232 (3.5mm) |

#### Video

|                           |                    |
|---------------------------|--------------------|
| <b>HDMI Compliance</b>    | HDMI 2.0 (DVI 1.0) |
| <b>HDCP Compliance</b>    | HDCP 2.x           |
| <b>Input Signal Type</b>  | 4K@60 YUV 4:2:0    |
| <b>Output Signal Type</b> | 4K@60 YUV 4:2:0    |

#### Resolutions

|                       |         |                         |
|-----------------------|---------|-------------------------|
| <b>Maximum Input</b>  | HDBaseT | 4096x2160p@60 YUV 4:2:0 |
| <b>Maximum Output</b> | HDMI    | 4096x2160p@60 YUV 4:2:0 |

#### Audio

|             |                                                       |
|-------------|-------------------------------------------------------|
| <b>HDMI</b> | LPCM 8 channel Bitstream<br>High-Definition Bitstream |
|-------------|-------------------------------------------------------|

#### Power

|                          |                                                           |
|--------------------------|-----------------------------------------------------------|
| <b>Power Supply</b>      | 48 V/0.83 A DC<br>(US/EU Standards, CE/FCC/ UL certified) |
| <b>Power Consumption</b> | 13.5w (Include Transmitter)                               |

#### Enclosure

|                           |                                                                      |
|---------------------------|----------------------------------------------------------------------|
| <b>Chassis Material</b>   | Metal                                                                |
| <b>Chassis Color</b>      | Black                                                                |
| <b>Dimensions (W×H×D)</b> | 108mm (W) x 108mm (D) x 25mm (H)<br>108mm (W) x 116mm (D) x 29mm (H) |
| <b>Weight</b>             | 366g                                                                 |

#### Field Firmware Update

PC Update, WebGUI

### ORDERING INFORMATION

| Model No.        | Product Description                        |
|------------------|--------------------------------------------|
| <b>CH-1527RX</b> | UHD HDMI over HDBaseT Receiver with PoH    |
| <b>CH-1527TX</b> | UHD HDMI over HDBaseT Transmitter with PoH |