

# CH-507TX/RX

## HDMI over CAT5e/6/7 Transmitter and Receiver



The HDMI over CAT5e/6/7 Transmitter and Receiver pair can send uncompressed video/audio and IP data over a single run of CAT5e/6/7 cable up to 100 meters. It has the added benefit of control through the built-in RS-232 pass-through and 2-way IR control and a LAN serving connection. Additionally, it has Power over Cable (PoC) functionality that allows for greater flexibility in installations.

### TX PANELS

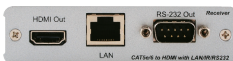


Front View



Rear View

### RX PANELS

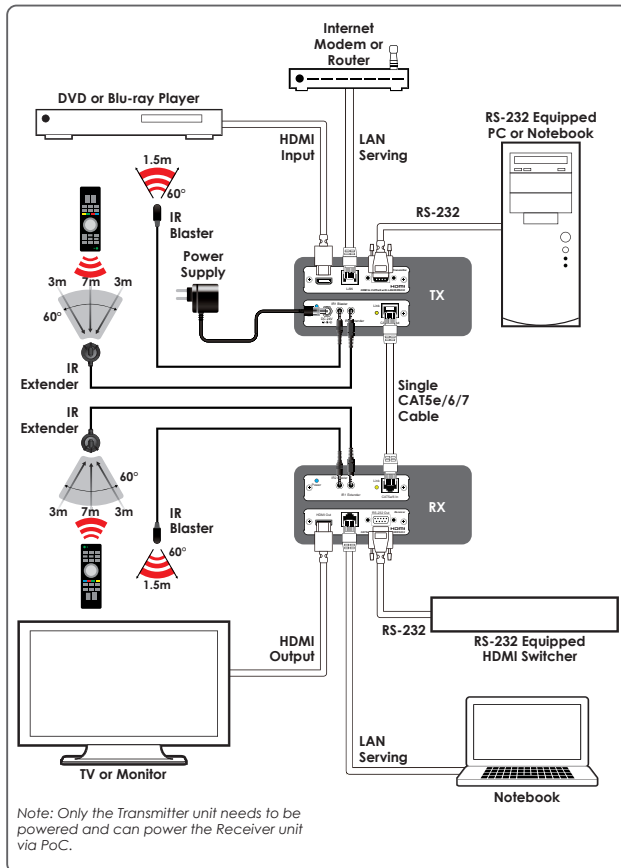


Front View



Rear View

### DIAGRAM



### FEATURES

- HDMI (with 3D format and 4K2K resolution support), HDCP and DVI compliant
- Supports CEC bypass function
- Simultaneous transmission of uncompressed video/audio and data over a single CAT5e/6 cable up to 100m/328ft
- Supports uncompressed video up to 4K2K resolution (3840×2160@30Hz or 4096×2160@24Hz)
- Supports pass-through of high-definition audio formats: LPCM 7.1CH, Dolby TrueHD and DTS-HD Master Audio
- HDBaseT™ convergence: uncompressed high-definition Video and Audio, LAN serving, Power over Cable (PoC) and IR/RS-232 Control pass-through

### SPECIFICATIONS

#### Interfaces

**Input Port** 1 HDMI (Type-A) (TX), 1 RJ45 (RX)

**Output Port** 1 HDBT(RJ45) (TX), 1 HDMI (RX)

**Control I/O**  
 1 IR Extender [3.5mm] (both TX and RX)  
 1 IR Blaster [3.5mm] (both TX and RX)  
 1 RS232 DE-9 (female on TX, male on RX)  
 1 LAN (RJ-45) (both TX and RX)

#### Video

**HDMI Compliance** 1.x

**HDCP Compliance** 1.x

**Input Signal Types** HDMI 4K@60 8bit YUV 4:2:0

**Output Signal Types** HDBT 4K@60 8bit YUV 4:2:0

#### Resolutions

**Maximum Input** HDMI 4096×2160p@60 YUV 4:2:0

**Maximum Output** HDBT 4096×2160p@60 YUV 4:2:0

#### Audio

**HDMI** LPCM (8 Channels), Bitstream, High Bit Rate Bitstream

**HDBT** LPCM (8 Channels), Bitstream, High Bit Rate Bitstream

#### Power

**Power Supply** 24V/1.25A

**Power Consumption** 13W (Full load)

#### Enclosure

**Chassis Material** Metal (Steel)

**Chassis Color** Silver

**Dimensions (W×H×D)** 102 mm (W)×113 mm (D)×25 mm (H)/TX  
 102 mm (W)×107 mm (D)×25 mm (H)/RX

**Weight** 252 g/TX, 256 g/RX

### ORDERING INFORMATION

Model No.	Product Description
CH-507TX/RX	HDMI over CAT5e/6/7 Transmitter and Receiver