



This HDMI over HDBaseT Transmitter is a great solution for extending UHD video and audio as well as Ethernet and control via a single run of Cat.5e/6/7 cable over distances up to 100 meters. This extender complies with the advanced HDCP 2.2 and HDMI 2.0 standards, as well as supporting the legacy HDCP 1.x and HDMI 1.x standards. In addition, despite HDBaseT's 10.2Gbps bandwidth limitation, 4K UHD HDMI video sources, up to and including 4K@60Hz (4:4:4, 8-bit) as well as 10/12-bit sources with HDR, are able to be processed and extended by the use of AVLC (Adaptive Visually Lossless Compression) when needed. Multiple data and control interfaces are also able to be extended, including IR, RS-232, and LAN connections. This unit supports bi-directional 24V PoC (Power over Cable) allowing the system to be completely powered by, or provide power to, compatible connected Receiver, allowing for greater flexibility within different installation scenarios.

PANELS

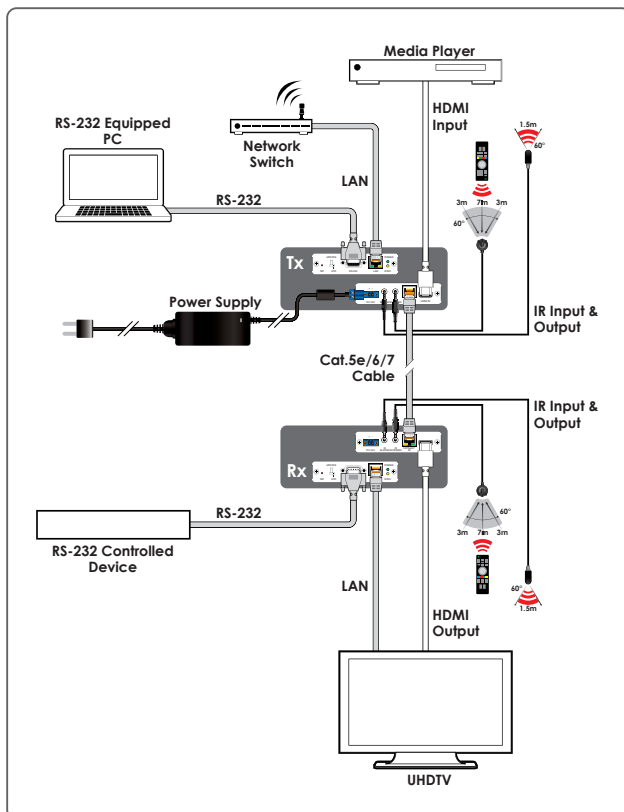


Front View



Rear View

DIAGRAM



FEATURES

- HDMI with HDR, 3D & 4K@60Hz support
- Supports Deep Color input and output up to 12-bit
- Supports CEC bypass
- HDBaseT feature support: HD Video and Audio, 100BaseT Ethernet, 24V PoC and Control (bi-directional IR/RS-232 pass-through)
- HDBaseT output transmits video, audio and data over a single Cat.5e/6/7 cable and can reach distances up to 100m/328ft at 4K when using Cat.6a/7
- Integrated AVLC (Adaptive Visually Lossless Compression) activates when the bandwidth requirements of the source are beyond 10.2Gbps (340MHz) allowing for support of sources up to 18Gbps (600MHz) with no loss of visual quality
- Supports pass-through of many audio formats including LPCM 2.0/5.1/7.1, Bitstream, and HD Bitstream
- Bi-directional 24V PoC allows the unit to be powered by, or provide power to, a compatible connected Receiver

SPECIFICATIONS

Interfaces

Input Port 1×HDMI(Type-A)

Output Port 1×HDBaseT (RJ-45)

Pass-through Ports
 1×IR Extender (3.5mm)
 1×IR Blaster (3.5mm)
 1×RS-232 (DE-9)
 1×LAN (RJ-45)

Video

HDMI Compliance HDMI 2.0 (DVI 1.0)

HDCP Compliance 2.x

Input Signal Types 4K@60 8-bit YUV 4:4:4,HDR 12

Output Signal Types 4K@60 8-bit YUV 4:4:4,HDR

Resolutions

Maximum Input HDMI 4096×2160p@60

Maximum Output HDBaseT 4096×2160p@60

Power

Power Supply 24V/1.25A DC (US/EU standards, CE/FCC/UL certified)

Power Consumption 16.3W (Tx+Rx)

Enclosure

Chassis Material Metal (Steel)

Chassis Color Black

Dimensions (W×H×D) 102mm×25mm×107.5mm [Case Only]
 102mm×25mm×115mm [All Inclusive]

Weight 252g

Field Firmware Update

RS232

ORDERING INFORMATION

Model No. Product Description

CH-527TXVBD UHD+ HDMI over HDBaseT Transmitter with HDR

CH-527RXVBD UHD+ HDMI over HDBaseT Receiver with HDR