

CH-1527TXPLV

UHD+ HDMI over HDBaseT Transmitter with HDR

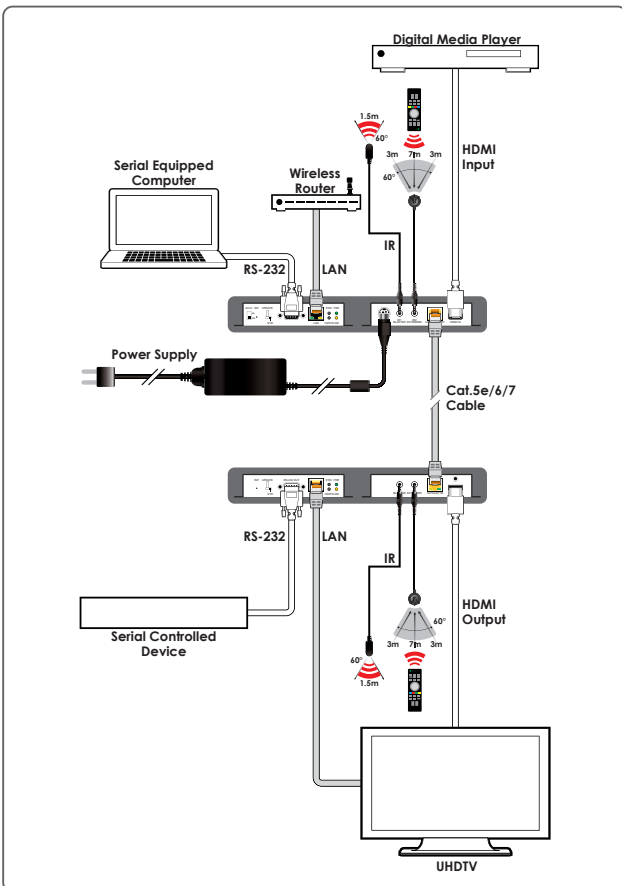


This transmitter and receiver set is a great solution for extending UHD video and audio as well as Ethernet and control via a single run of Cat.5e/6/7 cable over distances up to 70 meters. This extender set complies with the advanced HDCP 2.2 and HDMI 2.0 standards, as well as supporting the legacy HDCP 1.x and HDMI 1.x standards. 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 provided, including IR and RS-232 connections. The Receiver (PD) is powered by 48V PoH (Power over HDBaseT) provided by the Transmitter (PSE), allowing for greater flexibility within different installation scenarios.

PANELS



DIAGRAM



FEATURES

- HDMI with HDR, 3D & 4K@60Hz support
- Supports up to 4K UHD (18Gbps, 4K@50/60Hz 4:4:4, 8-bit) video input
- Supports output resolutions up to 4K@50/60Hz (4:4:4, 8-bit)
- Supports 10-bit and 12-bit HDR bypass
- Supports CEC bypass
- Simultaneous transmission of video, audio and data over a single Cat.5e/6/7 cable up to 70m (230ft) at 1080p and 35m (115ft) at 4K
- Supported HDBaseT feature set: HD Video & Audio, 48V PoH, and Control (Bi-directional IR/RS-232 pass-through)
- 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
- The AVLC function allows manual selection between High Quality (Full bandwidth) mode and Standard mode (Lower bandwidth, useful for longer cable runs with 4K sources)
- Supports standard IEEE 802.3 AT 48V PoH from Transmitter (PSE) to Receiver (PD) (compatible Receivers only)

SPECIFICATIONS

Interfaces

Input Port	1×HDMI (Type-A)
Output Port	1×HDBaseT (RJ-45)
Pass-through Port	1×IR Extender [3.5mm] 1×IR Blaster [3.5mm] 1×1.RS-232 (DE-9)

Video

HDMI Compliance	2.0 (DVI 1.0)
HDCP Compliance	2.X
Input Signal Type	4K@60 8bit YUV 4:4:4, HDR
Output Signal Type	4K@60 8bit YUV 4:4:4, HDR

Resolutions

Maximum Input	HDMI	4096×2160p@60
Maximum Output	HDBaseT	4096×2160p@60

Power

Power Supply	48V/0.83A DC (US/EU standards, CE/FCC/UL certified)
Power Consumption	8.47W

Enclosure

Chassis Material	Metal
Chassis Color	Black
Dimensions (W×H×D)	128mm×25mm×108mm [Case Only] 128mm×25mm×117mm [All Inclusive]
Weight	385g

Field Firmware Update

PC Update, WebGUI

ORDERING INFORMATION

Model No.	Product Description
CH-1527TXPLV	UHD+ HDMI over HDBaseT Transmitter with HDR
CH-1527RXPLV	UHD+ HDMI over HDBaseT Receiver with HDR