



PUV-3150TR-UEAO

HDBaseT3 Full 4K HDMI Transceiver with USB, LAN, PoH, Dual Audio Pathways & HDMI Bypass



The PUV-3150TR-UEAO 4K UHD+ HDMI over HDBaseT Transceiver uses HDBaseT 3.0, the newest generation of HDBaseT technology, and is the perfect solution for extending full bandwidth (18Gbps) HDMI 2.0, 4K@60Hz (4:4:4, 8-bit) video with HD audio as well as Ethernet and control via a single run of Cat.6A/7 cable over distances of up to 100 metres.

This transceiver unit can be configured to function as either a transmitter or a receiver, enhancing the flexibility of any installation. Multiple control and data signals may also be transmitted along with the audio and video, including bi-directional IR, RS-232, USB 2.0, and Gigabit Ethernet.

When two of these transceivers are used together, 2 USB 2.0 host (Type-B) connections are available (1 on the transmitter, 1 on the receiver) which will connect the host to devices on up to 4 USB 2.0 (Type-A) ports (2 on the transmitter, 2 on the receiver) forming a highly flexible KVM extension configuration (Note: Only 1 USB host may be active at a time). HDBaseT 3 has high USB peripheral compatibility, supporting many types of USB devices.

This transceiver is ideal for use in any video extension scenario, but it excels when latency-free, uncompressed video is critical, such as medical installations, live conferences, and education. This unit is controllable via front panel buttons.

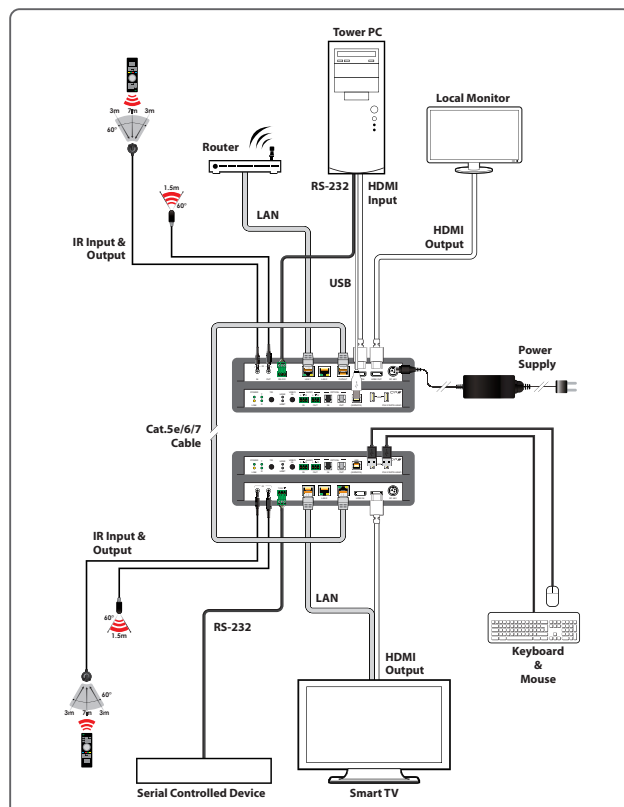
PANELS



Front View

Rear View

DIAGRAM



FEATURES

- Supports up to 4K UHD+ (18Gbps, 4K@50/60Hz 4:4:4, 8-bit) video input and output over both HDMI and HDBaseT
- HDMI 2.0 and DVI 1.0 compatible
- HDCP 2.2 and HDCP 1.x compliant
- HDBaseT 3.0 compliant (Backwards compatible with HDBaseT 2.0/1.0)
- HDBaseT extends video, audio and data over a single Cat.6A/7 cable and can reach distances up to 100m/328ft
- HDBaseT feature support: HD Video and Audio, Gigabit Ethernet, Bi-directional PoH, Bi-directional audio (optical and analogue), and Control (bi-directional USB/IR/RS-232 pass-through)
- 2 USB 2.0 Type-A device ports and 1 USB 2.0 Type-B host port
- Selectable HDMI or HDBaseT input in receiver mode
- HDMI output functions as a local monitor when in transmitter mode
- Can either receive or provide power via PoH over the HDBaseT connection allowing for flexible installation options

SPECIFICATIONS

Interfaces

Input Ports	1×HDMI (Type-A) 1×Digital Audio (TOSLINK) 1×Analog Audio (3-pin Terminal Block)
Output Ports	1×HDMI (Type-A) 1×Digital Audio (TOSLINK) 1×Analog Audio (3-pin Terminal Block)
Bi-direction Port	1×HDBaseT (RJ-45)
Pass-through Ports	1×IR Extender (3.5mm) 1×IR Blaster (3.5mm) 1×RS-232 (3-pin Terminal Block) 2×LAN (RJ-45) 2×USB 2.0 (Type-A)
Pass-through/Service Port	1×USB 2.0 (Type-B)

Video

HDMI Compliance	HDMI 2.0
HDCP Compliance	HDCP 2.2
Input Signal Type	HDMI 4K@60 8bit RGB 4:4:4 HDBT 4K@60 8bit RGB 4:4:4
Output Signal Type	HDMI 4K@60 8bit RGB 4:4:4 HDBT 4K@60 8bit RGB 4:4:4

Resolutions

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

Audio

HDMI	LPCM (8 Channels), Bitstream, HD Bitstream
HDBT	LPCM (8 Channels), Bitstream, HD Bitstream
Analog Out	2 Vrms S/N Ratio: > 80dB (1kHz with 0dBFS)

Power

Power Supply	48V/ 0.83A DC
Power Consumption	30.48W

Enclosure

Chassis Material	Metal(Steel)
Chassis Color	Black
Dimensions (W×H×D)	231.5mm×25mm×108mm [Case Only] 231.5mm×25mm×116.7mm [All Inclusive]
Weight	700g

Field Firmware Update

USB stick Update

ORDERING INFORMATION

Model No.	Product Description
PUV-3150TR-UEAO	HDBaseT3 Full 4K HDMI Transceiver
PUV-3090TX-UEA	HDBaseT3 Full 4K HDMI Transmitter
PUV-3090RX-UEA	HDBaseT3 Full 4K HDMI Receiver