



PUV-3050UA-KIT

HDBaseT3 Full 4K HDMI KIT with USB, PoH, Audio Pathway & HDMI Bypass



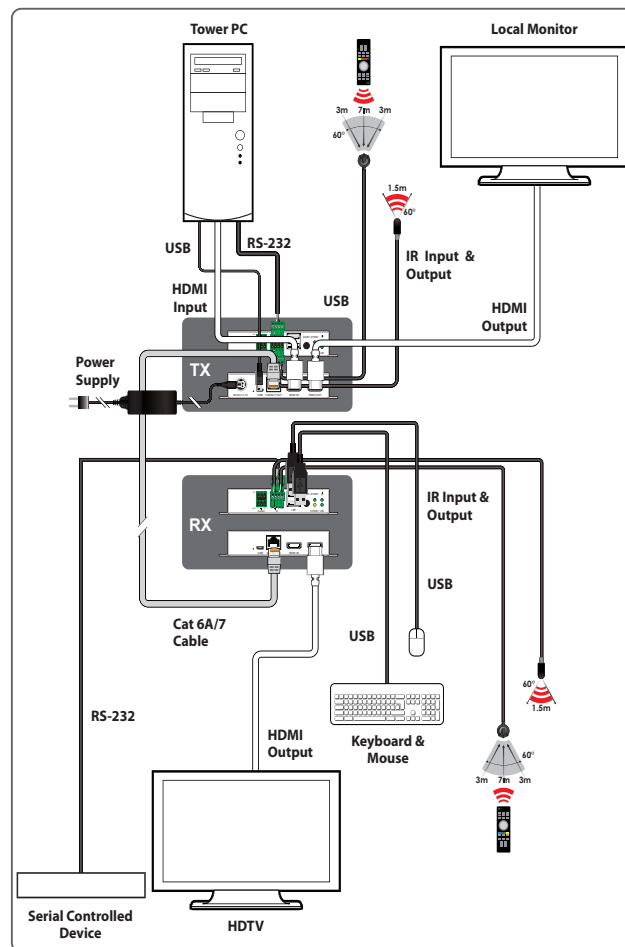
The PUV-3050UA-KIT is part of the new generation of HDBaseT 3.0 technology. This extender kit is capable of extending uncompressed HDMI 2.0 4K@60 (4:4:4, 8-bit or 4K HDR) video and HD audio, as well as control signals, via a single run of Cat.6a/7 cable over distances of up to 40 metres. Multiple control and data signals may also be transmitted along with the audio and video, including IR, RS-232, and USB 2.0.

USB connectivity allows extension of USB signals, ideal for uses such as KVM (keyboard and mouse) or touch / interactive displays, and with USB2.0 support this connection allows for fast data transfer and expanded peripheral compatibility.

For added flexibility, this kit supports bi-directional analogue audio.

This product is ideal for any scenario which needs uncompressed video and audio over distance with added USB data and individual audio pathways, such as medical equipment, conference rooms, education, residential, and more.

DIAGRAM



PANELS

Transmitter



Front View



Rear View

Receiver



Front View



Rear View



PUV-3050UA-KIT

HDBaseT3 Full 4K HDMI KIT with USB, PoH, Audio Pathway & HDMI Bypass

FEATURES

- Supports up to 4K UHD+ (18Gbps, 4K@60Hz 4:4:4, 8-bit) video over 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)
- Supports 10-bit and 12-bit HDR (High Dynamic Range) input/output
- HDBaseT feature support: HD Video and Audio, Bi-directional analogue audio, and control (bidirectional USB/IR/RS-232 pass-through)
- USB 2.0 Type-A device ports and 1 Micro USB 2.0 host port
- Supports providing PoH power from Transmitter to Receiver in same HDBaseT port
- Analogue audio I/O pathway across the HDBaseT link
- Local HDMI output (on TX)
- Local analogue audio output (from analogue line in, on TX)
- Audio output is selectable (on RX) between the bypass & extraction

SPECIFICATIONS

Interfaces

Transmitter

Input Port	1×HDMI (Type-A)
Output Port	1×HDMI (Type-A) 1xHDBaseT (RJ-45)
Pass-through Port	1x Stereo Audio input and output (3-pin*2 Term. Block) 1×IR In/Out and RS-232 (4-pin*2 Term. Block) 2×USB 2.0 (Type A)
Pass-through/ Control Port	1×USB 2.0 (Micro USB)

Receiver

Input Port	1×HDMI (Type-A) 1xHDBaseT (RJ-45)
Output Port	1×HDMI (Type-A)
Pass-through Port	1x Stereo Audio input and output (3-pin*2 Term. Block) 1×IR In/Out and RS-232 (4-pin*2 Term. Block) 2×USB 2.0 (Type A)
Pass-through/Control Port	1×USB 2.0 (Micro USB)

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
Analogue Out	2 Vrms S/N Ratio: > 80dB (1kHz with 0dBFS)

Power

Power Supply	[TX] 24V/ 2.7A DC, [RX] PoH
Power Consumption	[TX] 12W, [RX] 14W

Enclosure

Chassis Material	Metal(Steel)
Chassis Color	Black
Dimensions (W×H×D)	[TX] 128mm×25mm×108mm [Case Only] [TX] 128mm×25mm×112.5mm [All Inclusive] [RX] 128mm×25mm×108mm [Case Only] [RX] 128mm×25mm×109.5mm [All Inclusive]
Weight	[TX] 400g, [RX] 390g

Field Firmware Update

USB stick Update

ORDERING INFORMATION

Model No.	Product Description
VEX-E1501T	UHD ⁺ HDMI over HDBaseT Transmitter
VEX-E1501R	UHD ⁺ HDMI over HDBaseT Receiver
VEX-E2501T	UHD ⁺ HDMI over HDBaseT Transmitter with USB KVM
VEX-E2501R	UHD ⁺ HDMI over HDBaseT Receiver with USB KVM
VEX-E2502T	UHD ⁺ USB-C over HDBaseT Transmitter with USB KVM
VEX-E4501T	UHD ⁺ HDMI over HDBaseT Transmitter with USB KVM
VEX-E4501R	UHD ⁺ HDMI over HDBaseT Receiver with USB KVM
VEX-E4701TR	UHD ⁺ HDMI over HDBaseT Transceiver with USB KVM