VEX-E2501T

UHD+ HDMI over HDBaseT Transmitter with USB KVM

FEATURES

- 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 analog audio, and Control (bidirectional USB/IR/RS-232 pass-through)
- 2 USB 2.0 Type-A device ports and 1 Micro USB 2.0 host port
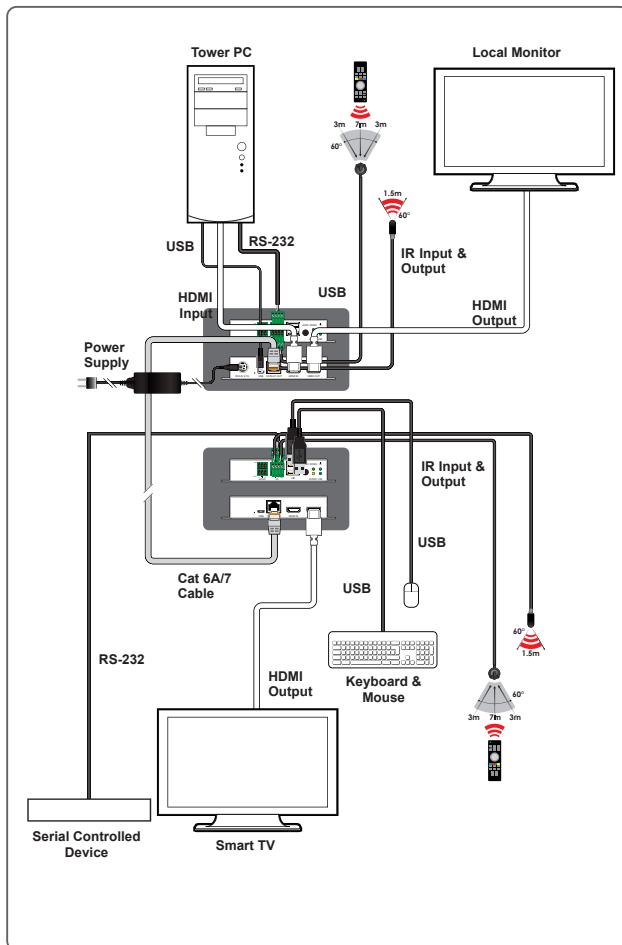- Supports providing PoH power from Transmitter to Receiver in same HDBaseT port.

This Transmitter is new generation of HDBaseT 3.0 technology, it is a great solution for extending uncompressed HDMI 2.0 4K@60 (4:4:4, 8-bit) video and HD audio as well as control via a single run of Cat.6a/7 cable over distances of up to 40 meters. Multiple control and data signals may also be transmitted along with the audio and video, including IR, RS-232, and USB 2.0. This Transmitter is ideal for any scenario which needs uncompressed video like medical equipment, conference room, education and anything you want to extend.

PANELS

Front View   Rear View

DIAGRAM

SPECIFICATIONS

Interfaces

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)

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	24V/ 2.7A DC
Power Consumption	12W

Enclosure

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

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