VEX-E4701TR

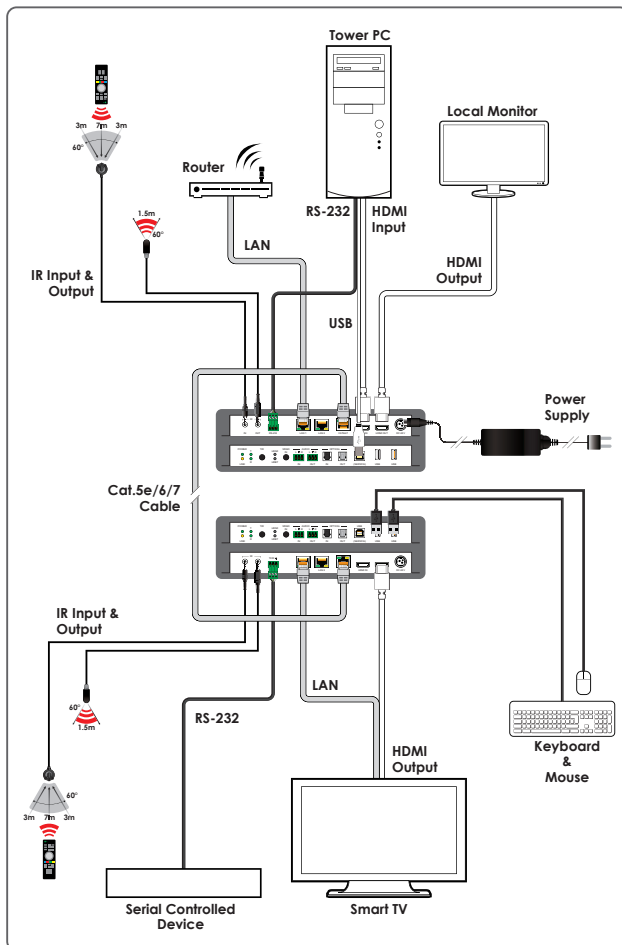UHD+ HDMI over HDBaseT Transceiver with USB KVM

This Transceiver is new generation 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 Ethernet and control via a single run of Cat.6a/7 cable over distances of up to 100 meters. Every Transceiver 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 IR, RS-232, USB 2.0, and 1000BaseT Ethernet. This Transceiver 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

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 up to 4K UHD+ (18Gbps, 4K@50/60Hz 4:4:4, 8-bit) video input and output over both HDMI and HDBaseT
- Supports 10-bit and 12-bit HDR (High Dynamic Range) input/output
- 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 analog), 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
- HDMI output functions as a local monitor when in transmitter mode

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
VEX-E4701TR	UHD+ HDMI over HDBaseT Transceiver with USB KVM
VEX-E4501T	UHD+ HDMI over HDBaseT Transmitter with USB KVM
VEX-E4501R	UHD+ HDMI over HDBaseT Receiver with USB KVM