



# EA-100KVM-TR

## HDMI USB KVM Extender over Cat5e/Cat6 (HDBaseT)



The HDMI USB KVM (Keyboard, Video, Mouse) Extender is a tool which can extend your HDMI signal over 328fts/100meters to a compatible display. It is designed to convert HDMI signal to standard HDBaseT signal which can be transmitted by CAT5e/CAT6/CAT7 cable. It also supports Transfer Bidirectional Infrared control signal and RS232 control signal. With LAN serving connection and external digital and analog audio capability that gives users the convenience of additional audio connection. It also supports the connection of USB host and 2 USB device ports. So you can control the Source in the Sink side which is 328fts outside, also you can control the Sink in the Source side which is 328fts outside using the HDMI Extender.

### FEATURES

- Fully compliant with HDMI 1.4, and compatible with HDMI 2.0 (4K2K@60Hz with YCbCr 4:2:0 ) HDCP2.2 and DVI compatible
- Supports HDBaseT 2.0 specification over a single CAT5e/6/7 cable up to 100m/328ft
- Supports pass-through of HD audio formats: LPCM2/5.1/7.1 CH, Dolby Digital, DTS, Dolby TrueHD, DTS-HD Master Audio and more
- POE(Power Over Ethernet)function support, either TX or RX powered 24V@1A
- Full HD support: 1080p@60Hz@24/36/48bit/pixels
- Supports USB 2.0 control
- Supports external Bi-Directional SPDIF IN/OUT and available for multichannel audio
- Supports stereo audio with PCM 2CH.
- Transfer Bidirectional Infrared control signal together with the HDMI signal.
- Transfer Bidirectional RS232 control signal together with the HDMI signal.
- Transfer Bidirectional Ethernet signal together with the HDMI signal.

### TECHNICAL SPECIFICATIONS

#### TECHNICAL

Video Bandwidth 340MHz/10.2Gbps

#### TRANSMITTER

Input Ports 1x HDMI, 1xLAN, 1xUSB-H, 1xIR in, 1x Audio in, 1xRS232  
Output Ports 1xIR out, 1xOptical (Spdif out), 1xHDBaseT OUT, 2xUSB-D

#### RECEIVER

Inputs 1xIR in, 1xOptical (Spdif in), 1xHDBaseT IN, 1xUSB-H  
Outputs 1x HDMI, 1xLAN, 2xUSB, 1xIR out, 1x Audio out, 1xRS232,1xOptical (Spdif out)

#### GENERAL

Power Supply DC 24V 1A  
ESD Protection  $\pm 8kV$  (air-gap discharge)  
8kV (air-gap discharge)  $\pm 4kV$  (contact discharge)  
Dimensions (mm) 160(W) X 97 (D) X 28 (H)  
Weight 450g/TX, 450g/RX  
Operating Temperature  $0^{\circ}C \sim 40^{\circ}C / 32^{\circ}F \sim 104^{\circ}F$   
Storage Temperature  $-20^{\circ}C \sim 60^{\circ}C / -4^{\circ}F \sim 140^{\circ}F$   
Relative Humidity 20~90% RH (Non-condensing)  
Power Consumption (Max) 12W



#### About VitBest

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