



EE-100KVM-TR

4K 60Hz HDBaseT POL USB 2.0, HDMI Extender Set Support IR, KVM pass through with HDR, EDID Management, 100m for 1080P



This 18Gbps HDBaseT Extender can extend HDMI signal, bi-directional IR control signal and USB KVM signal to a distance up to 100m via a single CAT6 cable. This product converts HDMI signal to standard HDBaseT signal and transmits it through LAN cable. It can easily control signal source device or display device from the remote end through bi-directional IR signal passthrough function. Video resolution up to 4K2K@60Hz YUV 4:4:4. It also supports USB 2.0 transmission and POC function. The extender can be widely used in other fields such as video conference system, multimedia signal broadcasting, HDMI signal extension, etc.

FEATURES

- HDMI 2.0b and HDCP 2.2 compliant
- Support 18Gbps video bandwidth
- Support video resolution up to 4K2K@60Hz YUV 4:4:4
- The transmission distance can be extended up to 328ft / 100m at the resolution of 1080P@60Hz, or 229ft / 70m at 4K2K@60Hz 4:4:4 via a single CAT6 cable
- Support bi-directional IR signal and USB KVM signal pass-through
- Support bi-directional POC (Power over Cable) function
- Support USB 2.0 transmission
- EDID management
- Compact design for easy and flexible installation

TECHNICAL SPECIFICATIONS

TECHNICAL

HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2
Video Bandwidth	18Gbps
Video Resolution	Up to 4K2K@60Hz YUV 4:4:4
USB Compliance	USB 2.0
IR Level	5Vp-p
IR Frequency	Wideband 20K-60KHz
Transmission Distance	100m via a single CAT6 cable
Color Space	RGB 4:4:4, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0 8-bit, 10-bit, 12-bit (1080P) 8-bit (4K60)
Color Depth	8-bit, 10-bit, 12-bit (4K24/30)
HDR	HDR, HDR10, HDR10+, Dolby Vision, HLG
Audio Format	LPCM 7.1CH, Dolby True HD and DTS-HD Master
ESD Protection	Human body model — ±8kV (Air-gap discharge) & ±4kV (Contact discharge)

CONNECTION

Transmitter	IN: 1×HDMI IN [Type A, 19-pin female] 1×IR IN [3.5mm Stereo Mini-jack] 1×SERVICE [Micro-USB jack] 1×USB [USB-B, 4-pin female]	OUT: 1×HDBT OUT [RJ45] 1×IR OUT [3.5mm Stereo Mini-jack]
Receiver	OUT: 1×HDBT IN [RJ45 with light] 1×IR IN [3.5mm Stereo Mini-jack] 1×SERVICE [Micro-USB jack]	OUT: 1×HDMI OUT [Type A, 19-pin female] 1×IR OUT [3.5mm Stereo Mini-jack] 2×USB 2.0 [USB-A, 4-pin female]

MECHANICAL

Housing	Metal Enclosure
Color	Black
Dimensions	Transmitter / Receiver:140mm (W)×65mm (D)×18mm (H)
Weight	Transmitter: 245g, Receiver: 249g
Power Supply	DC 24V/1A; Support bi-directional POC function
Power Consumption	13.2W (Max.)
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20 ~ 90% RH (non-condensing)



About VitBest

VitBest is a professional digital audio video products manufacturer dedicates in manufacturing high quality, reliable and stable products. For audio-visual system integrators, a trustworthy distribution and control electronics components means much more than their sizes.

©2024 VitBest All rights reserved. Due to continued innovation, information and technical specifications are subject to change without prior notice. Visit our website or contact us for the latest information.

www.vitbest.com
info@vitbest.com