



# ED-100KVM-TR

## 18 Gbps HDBaseT Extender



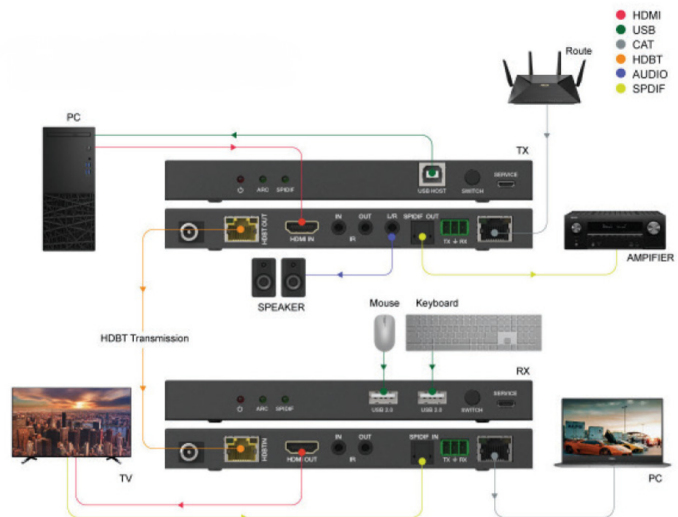
The VitBest ED-100KVM-TR 18Gbps HDMI Extender can extend high definition video / audio signal, RS-232, bi-directional IR and internet signal, at the distance of up to 328ft / 100 meters between transmitter and receiver via a single CAT6a/7 cable and support resolution up to 4K2K@60Hz 4:4:4. The Transmitter supports ARC function and local audio extract. In addition, the extender is equipped with bi-directional IR pass-through which allows for source and display control. It also supports USB KVM and PoC function.

The extender offers the most convenient solution for HDMI extension via a single CAT cable with long distance capability, and is the perfect solution for any application.

### FEATURES

- HDCP 2.2 / HDCP 1.4 and DVI 1.0 compliant
- Support 18Gbps video bandwidth
- Video resolution is up to 4k2k@60Hz YUV 4:4:4
- The maximum transmission distance is 328ft / 100 meters via a single CAT6a/7 cable
- Support ARC (Audio Return Channel) function
- With bi-directional IR, RS-232 and CEC pass-through
- Support USB KVM function
- HDR, HDR10+, Dolby Vision and HLG function supported
- Support PoC (Power over Cable) function
- Compact design for easy and flexible installation

### CONNECTION DIAGRAM



#### 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.

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# ED-100KVM-TR

## 18 Gbps HDBaseT Extender

### TECHNICAL SPECIFICATIONS

#### TECHNICAL

HDCP Compliance	HDCP 2.2 / HDCP 1.4
Video Bandwidth	18Gbps
Video Resolution	4K2K 50/60Hz 4:4:4, 4K2K 50/60Hz 4:2:2, 4K2K 50/60Hz 4:2:0, 4K2K 30Hz 4:4:4, 1080p, 1080i, 720p, 720i, 480p, 480i, All PC resolutions including 1920 x 1200
Color Space	RGB / YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0
Color Depth	8/10/12-bit (1080P60Hz, 4K30Hz, 4K60Hz YCbCr 4:2:2/4:2:0) 8-bit (4K60Hz 4:4:4 )
HDMI Audio Formats	LPCM 2.0/2.1/5.1/6.1/7.1, Dolby Digital, Dolby TrueHD, Dolby Digital Plus(DD+), DTS-ES, DTS HD Master, DTS HD-HRA, DTS-X
L/R Audio Formats	PCM 2.0
SPDIF Audio Formats	LPCM2.0, Dolby Digital, Dolby Digital Plus, DTS
ESD Protection	Human body model — ±8kV (Air-gap discharge) & ±4kV (Contact discharge)

#### CONNECTION

Transmitter	Inputs:	1x HDMI Type A [19-pin female]
	Outputs:	1x HDBT OUT [RJ45, 8-pin female] 1x SPDIF OUT [S/PDIF] 1xL/R OUT [3.5mm Stereo Mini-jack] 1xLAN [RJ45]
	Control:	1x IR IN [3.5mm Stereo Mini-jack] 1x IR OUT [3.5mm Stereo Mini-jack] 1x RS-232 [Phoenix jack] 1x SERVICE [Mini-USB, Update port] 1xUSB HOST [USB Type B]
Receiver	Inputs:	1x HDBT IN [RJ45, 8-pin female] 1x SPDIF IN [S/PDIF]
	Outputs:	1x HDMI Type A [19-pin female] 1x LAN [RJ45]
	Control:	1x IR IN [3.5mm Stereo Mini-jack] 1x IR OUT [3.5mm Stereo Mini-jack] 1x RS-232 [Phoenix jack] 1x SERVICE [Mini-USB, Update port] 2xUSB 2.0 [USB Type A]

#### MECHANICAL

Housing	Metal Enclosure
Color	Black
Dimensions	Transmitter / Receiver: 165mm [W] x 88mm [D] x 18mm [H]
Weight	Transmitter: 170g, Receiver: 165g
Power Supply	Input: AC 100 - 240V 50/60Hz ; Output: DC 24V/1A (Locking connector)
Power Consumption	13W
Operating Temperature	32 - 104°F / 0 - 40°C
Storage Temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (no condensation)

#### RESOLUTION

4K2K	296ft /90M
1080P	328ft /100M

#### DISTANCE

#### RESOLUTION / CABLE LENGTH

	4K60 - Feet / Meters	4K30 - Feet / Meters	1080P60 - Feet / Meters
HDMI IN / OUT	16ft / 5M	32ft / 10M	50ft / 15M

The use of "Premium High Speed HDMI" cable is highly recommended



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