



SPECIFICATION

QVE HDBT4K150R

4K HDBaseT transmitter

Product overview

QVE HDBT4K150R is a receiver which can extend HDMI signal, bidirectional IR control signal and USB KVM signal to a distance up to 492ft / 150m (Long Reach Mode) 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 is up to 4K2K@60Hz YUV 4:4:4. It also supports POC.

QVE HDBT4K150R offers ideal solutions for homes, offices, digital entertainment centers, control centers, conference rooms, schools and corporate training environments, where require HDMI source and transmission over long distance.

Features

- HDMI 2.0b and HDCP 2.2 compliant
- Support 18Gbps video bandwidth
- Support video resolution up to 4K2K@60Hz YUV 4:4:4
- With Mode DIP switch to select HDBaseT Mode & Long Reach Mode.

HDBasedT Mode:

USB supports USB 2.0 transmission (support connecting with USB camera, USB flash drive and other devices); the audio & video signal transmission distance can be extended up to 328ft / 100m for 4K60.

Long Reach Mode:

USB only supports HID (Human Interface Device) device; the audio & video signal transmission distance can be extended up to 492ft / 150m For 1080P or 394ft / 120m for 4K@60.

- Bi-directional IR signal and USB KVM signal pass-through are supported
- Support bi-directional POC (Power over Cable) function
- Advanced EDID management
- Compact design for easy and flexibe installation.

Specifications

The parameter name	QVE HDBT4K150R		
HDMI Compliance	HDMI 2.0b	Interface	Input: 1xHDBT IN [RJ45 with light]; 1xIR IN [3.5mm Stereo Mini-jack]; 1xSERVICE [Micro-USB jack] Output: 1xHDMI OUT [Type A, 19-pin female]; 1xIR OUT [3.5mm Stereo Mini-jack]; 2xUSB2.0 [USB-A, 4-pin female]
HDCP Compliance	HDCP 2.2		
Video Bandwidth	18 Gbps		
Video Resolution	Up to 4K2K@60Hz YUV 4:4:4		
USB Compliance	USB 2.0	HDR	HDR, HDR10, HDR10+, Dolby Vision, HLG
IR Level	5Vp-p	Audio Format	LPCM 7.1 CH, Dolby True HD and DTS-HD Master

IR Level	5Vp-p	Audio Format	LPCM 7.1 CH, Dolby True HD and DTS-HD Master
IR Frequency	Wideband 20K-60KHz	ESD Protection	Human body model -±8kV (Air -gap dischar &±4kV (Contact discharge)
Input DDC Signal	5.0 volts/P-P	Housing	Metal Enclosure
Transmission Distance	HDBaseT Mode: 4K60-328ft/ 100m Long Reach Mode: 1080P-492ft / 150m 4K60 -- 394ft / 120m	Dimensions	140mm (VV)x65mm (D) x18mm (H)
Color Space	RGB 4:4:4, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0	Weight	Transmitter: 245g, Receiver: 249g
Color Depth	8/10/12bit	Power Supply	DC 24V/1A; Support bi-directional POC function
		Power Consumption	13.2W(Max.)

Diagram

