

QVE HDBT4K100T

4K HDBaseT transmitter



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Product overview

QVE HDBT4K100T is a HDBaseT 3.0 Extender can extend uncompressed HD/UHD video and audio signals, eARC/ARC, RS-232, bi-directional IR, 1GbE ethernet and USB2.0 signals up to 100m/328ft via a single CAT6A/7 cable. The Transmitter supports audio embedding or de-embedding. The Receiver supports audio de-embedding. It also supports eARC/ARC from RX's HDMI output pass through to TX's HDMI input or de-embedding to TX's HDMI audio only and SPDIF output ports, USB 2.0 (Host/Device is configurable) and bi-directional POC.

QVE HDBT4K100T 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, HDCP 2.2 and HDBaseT 3.0 compliant, uncompressed 4K@60Hz 4:4:4 up to 18Gbps video bandwidth
- Support HDR, HDR10, HDR10+, Dolby Vision and HLG pass through, LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD pass through
- Supports eARC/ARC function (the audio is returned to the HDMI IN port, HDMI OUT(AUDIO ONLY) port and SPDIF OUT port of the transmitter.)
- Transmission distance up to 328ft/100 meters via a single CAT 6A/7 cable, with Bi-directional 24V POC function
- Supports USB2.0 transmission, Host/Device is configurable, Bi-directional IR, RS-232 and 1G Ethernet signal pass through

Specifications

Parameter name	QVE HDBT4K100T
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2
Video Bandwidth	18 Gbps
Video Resolution	Up to 4K@60Hz 4:4:4
HDR	HDR, HDR10, HDR10+, Dolby Vision, HLG
Color Space	RGB, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0
Color Depth	8/10/12-bit
Audio Formats	LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
SPDIF Audio Formats	LPCM2.0, AC3 5.1, DTS 5.1
Transmission Distance	100m (via a single CAT 6A/7 cable)
Interfaces	Inputs: 1x HDMI IN [Type A, 19-pin female] Outputs: 1x HDMI OUT [Type A, 19-pin female] 1x HDBT OUT [RJ45, 8-pin female] 1x SPDIF OUT [S/PDIF] 1x L/R OUT [3.5mm Stereo Mini-jack] Controls: 1x IR IN [3.5mm Stereo Mini-jack] 1x IR OUT [3.5mm Stereo Mini-jack] 1x RS-232 [3pin-3.81mm Phoenix jack] 1x SERVICE [Mini-USB, Update port] 1x USB HOST [USB Type B] 2x USB DEVICES [USB Type A] 1x LAN [RJ45]
Dimensions	170mm [W] x 102mm [D] x 22mm [H]
Weight	Transmitter: 425g, Receiver: 437g
Power Supply	Input: AC 100 - 240V 50/60Hz Output: DC 24V/1A (US/EU standard, CE/FCC/UL certified)
Power Consumption	15.36W (POC)
Operating/Storage Temperature	Operating: 32 - 104°F / 0 - 40°C Storage: -4 - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (no condensation)

Diagram

