Powering Business Worldwide

TRIPP LITE SERIES

HDBaseT 3.0 Transmitter/Receiver, HDMI 4K 60 Hz (4:4:4), RS-232, IR Control, Up to 328 ft. (100 m), TAA

MODEL NUMBER: **BHDBT3-TR**

Extends the range of your uncompressed 4K video/audio, Ethernet, IR, RS-232 serial or USB signal up to 328 ft. via Cat6a cable.

Features

Designed with the Newest HDBaseT 3.0 Technology
This 4K video transceiver performs the functions of either a transmitter or receiver, depending on your AV solution. Using a single Cat6a cable (HDBaseT3 certified) with zero latency, the BHDBT3-TR extends true 4K uncompressed video and audio up to 328 feet (100 meters) with the latest HDBaseT standards. It also transmits Ethernet, RS-232 serial, USB and IR control up to 328 feet, making it ideal for conference halls, auditoriums, lecture halls, museums, exhibition rooms and anywhere else that requires high-quality transmission and an easy-to-use application.

Transmits 4K Video with HDR and 4:4:4 Color
Using an HDBaseT3-certified Cat6a cable with no latency, the BHDBT3-TR extends Ultra HD 4K resolutions up to 4096 x 2160 at 60 Hz. It supports HDR (High Dynamic Range), providing a wide range of vibrant colors with richer contrast, brighter whites and deeper blacks that pop on your 4K display. HDCP 2.3 encryption allows you to stream 4K Amazon and Netflix content with no complications. This transceiver also supports uncompressed 4:4:4 chroma subsampling for top-level PC gaming or using your HDTV as a PC monitor.

One Transceiver Handles Multiple Functions for Streamlined Performance
In addition to 4K video, the BHDBT3-TR also extends bi-directional RS-232 serial, full-range IR remote control, Gigabit Ethernet and USB 2.0 up to 328 feet (100 meters). This allows connection of barcode scanners, Ethernet routers and a wide range of USB peripherals, among other components.

Stable HDMI Signal Transmission
The BHDBT3-TR is equipped with HDMI audio embedded/de-embedded functions, allowing you to flexibly adapt suitable audio/video combinations based on different environments. To ensure nonstop operation, a fanless fin heat sink prevents overheating and elevates the transceiver's reliability.

Avoid Signal Disruptions with Extra-Secure Locking HDMI Connectors
Having a cable come loose accidentally can cause AV signal loss. Universal HDMI cable locks help prevent accidental disconnection and signal disruption. This is especially helpful for ensuring components stay attached in difficult-to-access installations.

Plug-and-Play Convenience and Easy Installation

Highlights

- Latest HDBaseT 3.0 technology allows transmission or reception of 4K AV signals
- Supports UHD resolutions up to 4K @ 60 Hz (4:4:4) with High Dynamic Range (HDR)
- HDMI audio switch allows easy audio embedding/de-embedding and audio bypass
- Easy to install on a wall using the built-in mounting brackets
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

System Requirements

- Source device with HDMI port (Blu-ray player, laptop, PC)
- Display device(s) with HDMI port (HDTV, projector, monitor)
- HDBaseT3-certified Cat6a cable with zero latency is recommended to ensure maximum video quality

Package Includes

- BHDBT3-TR HDBaseT 3.0 Transceiver
- RS-232 terminal block
- (2) Wall-mount brackets
- (4) Foot pads
- USB-B to USB-A cable
- Power adapter
- C13 to NEMA 5-15P power cord
- C13 to BS1363 power cord
- C13 to Schuko power cord
- IR emitter
- IR receiver
- Owner's manual
- Quick Start Guide

The BHDBT3-TR requires no software or drivers to install, making setup simple. It mounts to a wall using the built-in brackets.

TAA-Compliant for GSA Schedule Purchases
The BHDBT3-TR is compliant with the Federal Trade Agreements Act (TAA), which makes it eligible for GSA (General Services Administration) Schedule and other federal procurement contracts.

Specifications

OVERVIEW	
UPC Code	037332284617
Product Type	Video Extender
Accessory Type	Extender
Technology	Cat5/5e; Cat6; HDBaseT; HDMI; IR; USB
VIDEO	
Video Input	HDMI (FEMALE)
Video Output	HDMI (FEMALE)
Video Ports	HDMI (FEMALE)
Video Ports Details	HDMI 2.0; HDCP 2.3
Max Supported Video Resolution	4096 X 2160 60HZ
Max 720P Range (ft)	328
Max 1080P Range (ft)	328
Max 1280 x 720 (720p) Range (ft)	328
Max 1920 x 1080 (1080p) Range (ft)	328
Max 1920 x 1200 Range (ft)	328
Max 2560 x 1600 Range (ft)	328
Max 3840 x 2160 (4K@30Hz) Range (ft)	328
Max 4096 x 2160 (4K) Range (ft)	328
Transmitter Video Input	HDMI
Receiver/Transceiver Video Output	HDMI
Receiver - Number of Video Outputs	1
Signal Range (ft)	328
Signal Range (m)	100
Recommended Cabling	N202-Series Cat6 Cables
Max Supported Color Depth	36-bit Deep Color
HDR Support	Yes
3D Video Supported	Yes

Chroma Sub Sampling	4:4:4
Maximum Signal Range (ft)	328
Maximum Signal Range (m)	100
Maximum Signal Range Details	328 ft via Cat6
AUDIO	
Audio Input	3.5mm; HDMI
Audio Output	3.5mm; HDMI
Audio Specification	Stereo Audio
INPUT	
AC Power Adapter Plug(s)	BS 1363 UK; CEE 7/16 Schuko; NEMA 5-15P North America
AC Power Adapter Input Specs (V / Hz / A)	100-240V / 50/60Hz / 1.2A
AC Power Adapter Output Specs (V / A)	12V / 3A
AC Power Adapter Cord Length (ft.)	6
AC Power Adapter Cord Length (m)	1.83
Bus Powered	No
POWER	
Power Source Type	AC Adapter with detachable power cord
AC Plug Type	BS1363; CEE 7/16 Schuko; NEMA 5-15P
Power Source	Transmitter and Receiver (Included)
Power Over Cable (PoC) Support	No
AC Adapter	Input: 100-240V, 50/60Hz, 1.2A; Output: 12V, 3.3A, 6ft.
Power Consumption (Watts)	6.45
CONNECTIONS	
Number of Ports	8
Side A - Connector 1	HDMI (FEMALE)
Side A - Connector 2	RJ45 (FEMALE)
Side A - Connector 3	3.5MM (FEMALE)
Side A - Connector 4	USB B (FEMALE)
Side B - Connector 1	HDMI (FEMALE)
Side B - Connector 2	RJ45 (FEMALE)
Side B - Connector 3	3.5MM (FEMALE)
Side B - Connector 4	USB A (FEMALE)
Daisy-chainable / Cascadable	No

USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	TX & RX: x1 Green (Power); TX & RX: x1 Orange (Link); TX x1 Orange (Video In); RX x1 Orange (Video Out)
PHYSICAL	
Color	Black
Material of Construction	METAL
Included Mounting Accessories	Wallmount
Number of Displays	1
Form Factor/Mounting Options	Box; Wall-mount
Rackmountable	No
Receiver Unit Dimensions (hwd / in.)	1.13 x 5.11 x 6.54
Receiver Unit Height (in.)	1.13
Receiver Unit Width (in.)	5.11
Receiver Unit Depth (in.)	6.54
Receiver Unit Weight (lbs.)	1.41
Shipping Dimensions (hwd / in.)	12.00 x 3.86 x 8.27
Shipping Dimensions (hwd / cm)	30.48 x 9.80 x 21.01
Shipping Weight (lbs.)	4.41
Shipping Weight (kg)	2.00
Transmitter Unit Dimensions (hwd / in.)	1.13 x 5.11 x 6.54
Transmitter Unit Weight (lbs.)	1.41
Unit Dimensions (hwd / in.)	5.270 x 6.540 x 1.130
Unit Packaging Type	Box
Unit Weight (lbs.)	4.41
Unit Weight (kg)	2.00
Housing	Metal
ENVIRONMENTAL	
Operating Temperature Range	32° to 104°F (0° to 40°C)
Storage Temperature Range	-4° to 140°F (-20° to 60°C)
Relative Humidity	0 TO 80% RH, NON-CONDENSING
Operating Humidity Range	0% TO 80% RH, Non-Condensing
Storage Humidity Range	0% TO 80% RH, Non-Condensing
COMMUNICATIONS	
Maximum Data Rate	300 Mbps

Max 1024 x 768 Range (ft)	328
Signal Range (ft.)	328
Signal Range (m)	100
Max 480P Range (ft)	328
Max 1440 x 900 Range (ft)	328
Max 1080i Range (ft)	328
Max 1920 x 1440 Range (ft)	328
Max 4K UHD Range (ft)	328
Max 480i Range (ft)	328
Max 640 x 480 Range (ft)	328
Max 800 x 600 Range (ft)	328
Max 1600 x 1200 Range (ft)	328
Max 2048 x 1536 Range (ft)	328
EDID Compatible	No
IR Remote Extension Support	No
RS-232 Serial Extension Support	Yes
Consumer Electronics Control (CEC) Supported	Yes
USB Extension Support	No
FEATURES & SPECIFICATIONS	
USB Specification	USB 2.0 (up to 480 Mbps)
10/100 Ethernet Extension Support	No
Integrated/Removable Cable	No
MST Support	No
Mounting Accessory Included	Yes
Multi-Resolution Support	No
Built-In Equalizer	No
HDCP Specification	2.3
Driver Required	No
Recommended Category Cable	Cat6 / Cat 6A
DIN Mountable	No
IR Frequency Range	30K~56KHz FULL RANGE
STANDARDS & COMPLIANCE	
External Power Supply Certifications	CCC; GS; TUV; UL; RoHS; WEEE; cUL
Product Certifications	NOM (Mexico)

Product Compliance	CE (Europe); FCC (USA); RoHS; Trade Agreements Act (TAA); WEEE
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	1-year limited warranty

1000 Eaton Boulevard
Cleveland, OH 44122
United States
https://tripplite.eaton.com

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