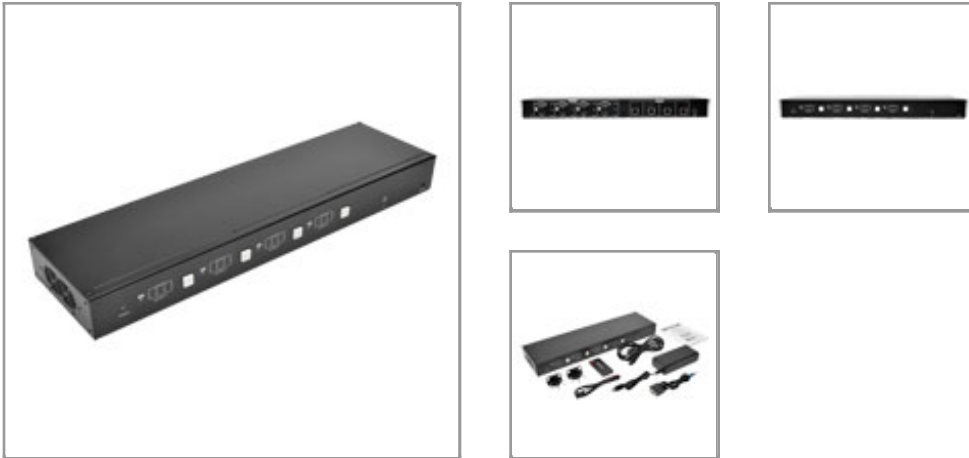# HDBaseT HDMI over Cat5e/6/6a 4x4 Extender Matrix Transmitter, Serial and IR, 4K x 2K @ 24/30Hz UHD / 1080p @ 60Hz, 4 Input, 4 Output, TAA

MODEL NUMBER: **BHDBT-T-SI-4X4**

Highlights

- Features 4 HDMI input ports and 4 RJ45 output ports
- Supports video resolutions up to 3840 x 2160 (4K x 2K) @ 24/30Hz*
- Supports 7.1-channel surround sound, DTS-HD and Dolby TrueHD
- Mounts easily to wall, rack or pole
- Plug and play—no software or drivers to install

*Maximum supported video resolutions depend on the receivers being used.

Package Includes

- BHDBT-T-SI-4X4 HDBaseT HDMI over Cat5e/6/6a 4x4 Extender Matrix Transmitter
- Remote control
- IR extension cable
- 3.5 mm Male to DB9 Female adapter cable
- External power supply w/NEMA 5-15P plug (Input: 100–240V, 50/60 Hz, 1.5A; Output: 12V, 5A)
- Mounting hardware
- Owner's manual

Description

The BHDBT-T-SI-4X4 HDBaseT HDMI over Cat5e/6/6a 4x4 Extender Matrix Transmitter works in tandem with the Tripp Lite BHDBT-Series receiver in your HDBaseT installation to extend uncompressed HDMI video and audio, RS-232 serial and IR remote control signals. It features four HDMI input ports and four RJ45 output ports, letting you route any source to any display or the same source to all displays.

Using a single Cat5e/6/6a cable, the BHDBT-T-SI-4X4 can extend an Ultra High Definition (UHD) 3840 x 2160 (4K x 2K) @ 24/30 Hz signal up to 328 feet (100 m) or a high-definition 1920 x 1080 (1080p) @ 60 Hz signal up to 500 feet (150 m). To further extend and expand your installation, you can insert up to five BHDBT-Series Extender Transceivers between the transmitter and receiver for a total range up to 3,000 feet with a monitor connected to each transceiver.** The sources connect to locking HDMI ports that prevent the cable from coming loose or undone, ensuring an intact signal.

The BHDBT-T-SI-4X4 supports 7.1-channel surround sound, DTS-HD and Dolby TrueHD audio, as well as 3D video, EDID and HDCP. Included mounting hardware lets you attach the unit to a wall, rack or pole. Sets up quickly with no software to download or install.

** Maximum supported extension distance and video resolutions depend on the receivers and/or transceivers being used. See the receiver (BHDBT-R-SI, BHDBT-R-SI-ER, BHDBT-R-SI-LR) and transceiver (BHDBT-TR-SI, BHDBT-TR-SI-ER, BHDBT-TR-SI-LR) pages for details.

Features

Supports the Latest Video and Audio Applications

- Connects to Tripp Lite BHDBT-Series receivers and transceivers with a single Cat5e/6/6a cable
- Extends a 1920 x 1080 (1080p) @ 60 Hz signal up to 500 ft. (150 m)***
- Extends an Ultra High Definition (UHD) 3840 x 2160 (4K x 2K) @ 24/30 Hz signal up to 328 ft. (100 m)***

- Supports 7.1-channel surround sound, DTS-HD and Dolby TrueHD audio
- Supports 36-bit Deep Color (12 bits per channel), CEC pass-through, 3D video, EDID and HDCP 2.0
- Add up to 5 BHDBT-Series Extender Transceivers to further expand the range of your installation up to 3,000 feet (1080p) with a monitor attached to each transceiver***

4 HDMI Input Ports and 4 RJ45 Output Ports
- Can route any source to any display or the same source to all displays
- Control inputs and outputs using unit pushbuttons, included remote control or your computer's Terminal Emulation Software

Allows You to Control Other Devices
- 2-way 39 KHz IR Remote Control functionality lets you control your Blu-ray player with its remote while standing at the remote monitor (and vice versa)
- RS-232 serial port supports 115 Kbps full-duplex baud rates for devices such as scanners and touchscreen monitors

Easy to Set Up and Use
- Plug-and-play engineering—no software or drivers to download and install
- Included mounting hardware lets you install each unit on a wall, rack or pole
- Locking HDMI ports (ideal for use with Tripp Lite's P569-006-LOCK HDMI cables) prevent cables from coming loose or disconnected, ensuring an intact signal

TAA-Compliant
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

*** Maximum supported extension distance and video resolutions depend on the receivers and/or transceivers being used. See the receiver (BHDBT-R-SI, BHDBT-R-SI-ER, BHDBT-R-SI-LR) and transceiver (BHDBT-TR-SI, BHDBT-TR-SI-ER, BHDBT-TR-SI-LR) pages for details.

Specifications

OVERVIEW	
AC Adapter	Input: 100-240V, 50/60Hz, 0.5A; Output: 5V, 3A
INPUT	
Nominal Input Voltage(s) Supported	100V AC; 110V AC; 115V AC; 120V AC; 127V AC; 140V AC; 200V AC; 208V AC; 220V AC; 230V AC; 240V AC
Input Frequency	50/60Hz
Input Current	120V (1.3A) / 230V (0.7A)
PHYSICAL	
Unit Dimensions (hwd / in.)	1.7 x 17.3 x 4.7
Included Mounting Accessories	Y
Color	Black
Unit Weight Details	3.50

ENVIRONMENTAL	
Operating Temperature Range	0 to 40 C (32 to 104 F)
Storage Temperature Range	-20 to 60 C (-4 to 140 F)
Relative Humidity	20 to 90%

COMMUNICATIONS	
Max 1024 x 768 Range (ft)	500
Max 480P Range (ft)	500
Max 1440 x 900 Range (ft)	500
Max 1080i Range (ft)	500
Max 1080P Range (ft)	500
Max 1920 x 1440 Range (ft)	328
Max 2560 x 1600 Range (ft)	328
Max 4K UHD Range (ft)	328
Max 480i Range (ft)	500
Max 640 x 480 Range (ft)	500
Max 800 x 600 Range (ft)	500
Max 1600 x 1200 Range (ft)	500
Max 720P Range (ft)	500

CONNECTIONS	
Ports	4
Side A - Connector 1	(4) HDMI (FEMALE)
Side A - Connector 2	DB9 (FEMALE)
Side B - Connector 1	(4) RJ45 (FEMALE)

FEATURES & SPECIFICATIONS	
IR Remote Extension Support	Yes
RS-232 Serial Extension Support	Yes
10/100 Ethernet Extension Support	No

CERTIFICATIONS	
Approvals	CE, FCC, RoHS, REACH

WARRANTY	

Product Warranty Period (Worldwide)	1-year limited warranty