

# HDBaseT HDMI over Cat5/6/6a Extender, Matrix Transmitter, Serial and IR, 4K x 2K @ 30Hz UHD / 1080p @ 60Hz, 4 Input, 2 Output, Up to 500 ft., TAA

MODEL NUMBER: **BHDBT-T-SI-4X2**



Works with a Tripp Lite HDBaseT receiver to extend uncompressed HDMI video and audio, RS-232 serial and IR remote control signals over a Cat5e/6/6a cable up to 500 ft. to dual projectors, monitors or televisions.

## Description

The BHDBT-T-SI-4X2 HDBaseT HDMI over Cat5e/6/6a 4x2 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 two RJ45 output ports, letting you route any source to either display or the same source to both displays.

Using a single Cat5e/6/6a cable, the BHDBT-T-SI-4X2 can extend an Ultra High Definition (UHD) 4096 x 2160 or 3840 x 2160 (4K x 2K) @ 30Hz signal up to 328 feet (100 m) or an HD 1920 x 1080 (1080p) @ 60Hz 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-4X2 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.

## Highlights

- Features 4 HDMI input ports and 2 RJ45 output ports
- Supports video resolutions up to 4096 x 2160 and 3840 x 2160 (4K x 2K) @ 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

## Package Includes

- BHDBT-T-SI-4X2 HDBaseT HDMI over Cat5e/6/6a 4x2 Extender Matrix Transmitter
- Remote control
- IR extension cable
- 3.5 mm Male to DB9 Female adapter cable
- External Power Supply with NEMA 1-15P Plug (Input: 100–240V, 50/60 Hz, 0.5A; Output: 5V, 3A)
- Mounting hardware
- Owner's Manual



## 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 High Definition 1920 x 1080 (1080p) @ 60 Hz signal up to 500 ft. (150 m)\*\*\*
- Extends an Ultra High Definition (UHD) 4096 x 2160 or 3840 x 2160 (4K x 2K) @ 30Hz 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
- Add up to 5 BHDBT-Series Extender Transceivers to further expand the range of your installation up to 3,000 ft. (1080p) with a monitor attached to each transceiver\*\*\*

### Features 4 HDMI Input Ports and 2 RJ45 Output Ports

- Can route any source to either display or the same source to both displays
- Control inputs and outputs using unit pushbuttons, included remote control or via 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

## Specifications

OVERVIEW	
UPC Code	037332187000
AC Adapter	Input: 100-240V, 50/60Hz, 0.5A; Output: 5V, 3A
PHYSICAL	



**Tripp Lite**  
1111 W. 35th Street  
Chicago, IL 60609 USA  
Telephone: 773.869.1234  
[www.tripplite.com](http://www.tripplite.com)

Color	Black
Included Mounting Accessories	Y
Shipping Dimensions (hwd / cm)	5.59 x 35.31 x 16.51
Shipping Dimensions (hwd / in.)	2.20 x 13.90 x 6.50
Shipping Weight (kg)	1.81
Shipping Weight (lbs.)	4.00
Unit Dimensions (hwd / in.)	1.2 x 9.3 x 3.9
Unit Weight Details	3.5lbs
<b>ENVIRONMENTAL</b>	
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%
<b>COMMUNICATIONS</b>	
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
<b>CONNECTIONS</b>	
Ports	4
Side A - Connector 1	(4) HDMI (FEMALE)
Side A - Connector 2	DB9 (FEMALE)
Side B - Connector 1	(2) RJ45 (FEMALE)
<b>FEATURES &amp; SPECIFICATIONS</b>	
IR Remote Extension Support	Yes



**Tripp Lite**  
1111 W. 35th Street  
Chicago, IL 60609 USA  
Telephone: 773.869.1234  
[www.tripplite.com](http://www.tripplite.com)

RS-232 Serial Extension Support	Yes
10/100 Ethernet Extension Support	No
Technology	HDBaseT; HDMI; Serial (RS232); IR
<b>STANDARDS &amp; COMPLIANCE</b>	
Approvals	CE, FCC, RoHS, REACH
<b>WARRANTY</b>	
Product Warranty Period (Worldwide)	1-year limited warranty

© 2020 Tripp Lite. All rights reserved. All product and company names are trademarks or registered trademarks of their respective holders. Use of them does not imply any affiliation with or endorsement by them. Tripp Lite has a policy of continuous improvement. Specifications are subject to change without notice.

Tripp Lite uses primary and third-party agencies to test its products for compliance with standards. See a list of Tripp Lite's testing agencies:

<https://www.tripplite.com/products/product-certification-agencies>