

## HDBaseT Class B (HDBaseT-Lite) HDMI over Cat5e/6/6a Extender Receiver, Serial and IR, 4K x 2K 30 Hz UHD / 1080p 60 Hz, Up to 230 ft. (70 m), TAA

MODEL NUMBER: **BHDBT-R-SI**



Works with a Tripp Lite HDBaseT matrix transmitter to extend uncompressed HDMI video and audio, RS-232 serial and IR remote control signals over a Cat5e/6/6a cable up to 230 ft. to a projector, monitor or television.

### Description

The BHDBT-R-SI HDBaseT Class B (HDBaseT-Lite) HDMI over Cat5e/6/6a Extender Receiver works in tandem with the Tripp Lite BHDBT-Series matrix transmitter in your HDBaseT Class B installation to extend uncompressed HDMI video and audio, RS-232 serial and IR remote control signals.

Using a single Cat5e/6/6a cable, the BHDBT-R-SI can extend an HD 1920 x 1080 (1080p) @ 60Hz signal up to 230-ft. (70.1 m) or an Ultra High Definition (UHD) 4096 x 2160 or 3840 x 2160 (4K x 2K) @ 30Hz video signal up to 130-ft. (39.62 m). To further extend and expand your installation, you can insert up to five BHDBT-TR-SI Extender Transceivers between the receiver and transmitter for a total range up to 780-ft. (237.74 m) (4K x 2K @ 30Hz) or 1,380-ft. (420.62 m) (1080p @ 60Hz) with a monitor connected to each transceiver.

You can control RS-232 serial devices, such as touchscreen displays or scanners, at baud rates up to 115 Kbps. The 2-way IR Remote Control feature (@ 39 KHz) lets you control your Blu-ray player using its remote when at the remote monitor and vice versa. The monitor connects to the rear locking HDMI port (ideal for use with Tripp Lite's P569-006-LOCK High-Speed HDMI cables with locking connectors) that prevents the cable from coming loose or undone, ensuring an intact signal.

The BHDBT-R-SI 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 receiver to a wall, rack or pole. Sets up quickly with no software to download or install.

### Highlights

- Extends both a 4096 x 2160 and 3840 x 2160 (4K x 2K) @ 30 Hz signal up to 130-ft. (39.62 m)
- Extends a 1080p @ 60 Hz signal up to 230-ft. (70.1 m)
- 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-R-SI HDBaseT Class B HDMI over Cat5e/6/6a Extender Receiver
- IR-IN cable
- IR-OUT cable
- 3.5 mm Male to DB9 Female adapter cable
- 3.5 mm Male to DB9 Male 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 matrix transmitter with a single Cat5e/6/6a cable
- Extends an Ultra High Definition (UHD) 4096 x 2160 or 3840 x 2160 (4K x 2K) @ 30Hz signal up to 130-ft. (39.62 m) (40 m)
- Extends a High Definition 1920 x 1080 (1080p) @ 60Hz signal up to 230-ft. (70.1 m) (70 m)
- Supports 7.1-channel surround sound, DTS-HD and Dolby TrueHD audio
- Supports 36-bit Deep Color (12 bits per channel), CEC passthrough, 3D video, EDID and HDCP
- Add up to 5 BHDBT-TR-SI Extender Transceivers to further expand the range of your installation up to 780-ft. (237.74 m) (4K x 2K @ 30Hz) or 1,380-ft. (420.62 m) (1080p @ 60Hz) with a monitor attached to each transceiver

### 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 unit on a wall, rack or pole
- Locking HDMI port (ideal for use with Tripp Lite's P569-006-LOCK HDMI cables) prevents cable 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	037332187017
Product Type	Receiver
Technology	HDBaseT; HDMI; IR; Cat5/5e; Cat6
VIDEO	
Max 720P Range (ft)	230
Max 1080P Range (ft)	230
HDR Support	No
3D Video Supported	No
Maximum Signal Range (ft)	230
Maximum Signal Range (m)	70
INPUT	

Bus Powered	No
<b>POWER</b>	
Power Over Cable (PoC) Support	No
AC Adapter	Input: 100-240V, 50/60Hz, 0.5A; Output: 5V, 3A
<b>PHYSICAL</b>	
Color	Black
Number of Displays	1
Shipping Dimensions (hwd / in.)	2.20 x 8.40 x 6.50
Shipping Dimensions (hwd / cm)	5.59 x 21.34 x 16.51
Shipping Weight (lbs.)	1.34
Shipping Weight (kg)	0.61
Unit Dimensions (hwd / in.)	0.000 x 0.000 x 0.000
Unit Weight Details	0.55lbs
<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)	230
Max 480P Range (ft)	230
Max 1440 x 900 Range (ft)	230
Max 1080i Range (ft)	230
Max 1920 x 1440 Range (ft)	130
Max 4K UHD Range (ft)	130
Max 480i Range (ft)	230
Max 640 x 480 Range (ft)	230
Max 800 x 600 Range (ft)	230
Max 1600 x 1200 Range (ft)	230
Max 2048 x 1536 Range (ft)	130
EDID Compatible	No
IR Remote Extension Support	Yes
RS-232 Serial Extension Support	Yes

# TRIPP-LITE

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1000 Eaton Boulevard  
Cleveland, OH 44122  
United States

Consumer Electronics Control (CEC) Supported	No
USB Extension Support	No
<b>CONNECTIONS</b>	
Number of Ports	1
Side A - Connector 1	HDMI (FEMALE)
Side B - Connector 1	RJ45 (FEMALE)
<b>FEATURES &amp; SPECIFICATIONS</b>	
10/100 Ethernet Extension Support	No
Built-In Equalizer	No
Driver Required	No
<b>WARRANTY &amp; SUPPORT</b>	
Product Warranty Period (Worldwide)	1-year limited warranty

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