

# HDBaseT HDMI over Cat5e/6/6a Extender Receiver, Serial and IR, 4K x 2K 30 Hz UHD / 1080p 60 Hz, Up to 328 ft. (100 m), TAA

MODEL NUMBER: BHDBT-R-SI-LR



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 328 ft. to a projector, monitor or television.

## Description

The BHDBT-R-SI-LR HDBaseT Extender Receiver works in tandem with the BHDBT-Series matrix transmitter in your HDBaseT 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-LR can extend a 1920 x 1080 (1080p) signal at 60 Hz or a 4K (4096 x 2160 or 3840 x 2160 at 30 Hz) video signal up to 328 feet (100 meters). To further extend and expand your installation, you can insert up to five BHDBT-TR-SI-LR Extender Transceivers between the receiver and transmitter for a total range up to 2,000 feet (610 meters) 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 two-way IR Remote Control feature (@ 39 KHz) lets you also 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 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-LR 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.

## Features

### Supports the Latest Video and Audio Applications

- Connects to 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) @ 30 Hz signal or High Definition 1920 x 1080 (1080p) @ 60 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
- Add up to 5 BHDBT-TR-SI-LR Extender Transceivers to further expand the range of your installation up to 2,000 ft. (610 m) 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

## Highlights

- Extends both a 4096 x 2160 and 3840 x 2160 (4K x 2K) @ 30Hz signal up to 328.08-ft. (100 m)
- Extends a 1080p @ 60 Hz signal up to 328.08-ft. (100 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-LR HDBaseT 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



Powering Business Worldwide



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 port (ideal for use with 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	037332187024
Product Type	Receiver
Technology	HDBaseT; HDMI; IR; Cat5/5e; Cat6
VIDEO	
Max Supported Video Resolution	3840 x 2160 (4K @ 30Hz)
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
Receiver/Transceiver Video Output	HDMI
Receiver - Number of Video Outputs	1
Recommended Cabling	HDMI
Max Supported Color Depth	36-bit Deep Color
HDR Support	No
3D Video Supported	Yes
Maximum Signal Range (ft)	328
Maximum Signal Range (m)	100
AUDIO	

Audio Input	HDMI
Audio Output	HDMI
Audio Specification	7.1 Channel Surround Sound, DTS-HD and Dolby TrueHD
<b>INPUT</b>	
AC Power Adapter Plug(s)	NEMA 1-15P North America
AC Power Adapter Input Specs (V / Hz / A)	100-240V / 50/60Hz / 0.5A
AC Power Adapter Output Specs (V / A)	5V / 3A
AC Power Adapter Cord Length (ft.)	4.5
AC Power Adapter Cord Length (m)	1.4
Bus Powered	No
<b>POWER</b>	
Power Source Type	AC Adapter
AC Plug Type	NEMA 1-15P
Power Source	Unit (Included)
Power Over Cable (PoC) Support	No
AC Adapter	Input: 100-240V, 50/60Hz, 0.5A; Output: 5V, 3A
DC Barrel Plug	OD: 5.5 x 2.1 x 7.5mm, Positive Pin, Negative Sleeve
<b>CONNECTIONS</b>	
Number of Ports	1
Side A - Connector 1	HDMI (FEMALE)
Side B - Connector 1	RJ45 (FEMALE)
Daisy-chainable / Cascadable	No
<b>USER INTERFACE, ALERTS &amp; CONTROLS</b>	
LED Indicators	GREEN UNIT LED INDICATES POWER / GREEN RJ45 LED's INDICATE HDCP IS WORKING / ORANGE UNIT LED INDICATES HDBASET SYSTEM ACTIVATION / ORANGE RJ45 LED's INDICATE HDBASET LINK
<b>PHYSICAL</b>	
Color	Black
Included Mounting Accessories	Wallmount
Number of Displays	1
Optional Mounting Accessory Notes	Can DIN Mount using Tripp Lite Bracket <a href="https://tripplite.eaton.com/din-rail-mounting-bracket-for-digital-signage-version-1-B110-DIN-01">B110-DIN-01</a>
Form Factor/Mounting Options	Box; Wall-mount
Receiver Unit Dimensions (hwd / in.)	2.46 x 4.53 x 1.06



Powering Business Worldwide



Receiver Unit Weight (lbs.)	1.01
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 Packaging Type	Box
Unit Weight (lbs.)	1.01
Unit Weight (kg)	0.46
Unit Weight Details	0.55lbs
Housing	Metal

**ENVIRONMENTAL**

Operating Temperature Range	32° to 104°F (0° to 40°C)
Storage Temperature Range	5° to 122°F (-15° to 50°C)
Relative Humidity	0% TO 85% RH, Non-Condensing
Operating Humidity Range	0% TO 85% RH, Non-Condensing
Storage Humidity Range	0% TO 85% RH, Non-Condensing

**COMMUNICATIONS**

Max 1024 x 768 Range (ft)	328
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	Yes
IR Remote Extension Support	Yes
RS-232 Serial Extension Support	Yes
Consumer Electronics Control (CEC) Supported	Yes
USB Extension Support	No



Powering Business Worldwide



FEATURES & SPECIFICATIONS	
10/100 Ethernet Extension Support	No
Built-In Equalizer	No
HDCP Specification	1.4
Driver Required	No
STANDARDS & COMPLIANCE	
External Power Supply Certifications	UL; cUL; RoHS; FCC
Product Compliance	RoHS; REACH; FCC (USA); Trade Agreements Act (TAA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	1-year limited warranty

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

© 2024 Eaton. All Rights Reserved.  
Eaton is a registered trademark. All other trademarks  
are the property of their respective owners.