

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

MODEL NUMBER: BHDBT-K-E3SI-LR



Extends HDMI video/audio, Ethernet, RS-232 serial and IR control signals over a single Cat5e/6/6a cable to a projector, monitor or television up to 328 ft. from the source.

### Description

The BHDBT-K-E3SI-LR HDBaseT HDMI over Cat5e/6/6a Extender Kit extends uncompressed HDMI audio and video, RS-232 serial and IR remote control signals up to 328 feet over a single Cat5e/6/6a cable, including an Ultra High Definition (UHD) 4096 x 2160 or 3840 x 2160 (4K x 2K) @ 30Hz signal.

In addition to HDMI, RS-232 and IR signals, this extender kit features three built-in 10/100 Ethernet ports on both the transmitter and receiver units. This allows connected devices, such as a Blu-ray™ player, cable/satellite box, and HDMI television, to communicate with each other and access online content via LAN.

You can also 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 control your Blu-ray player using its remote when at the remote monitor or control your remote monitor using its remote when at the Blu-ray player. Locking HDMI ports (ideal for use with Tripp Lite's P569-006-LOCK high-speed HDMI cables with locking connectors) on both the transmitter and receiver prevent cables from coming loose or undone, ensuring an intact signal.

The plug-and-play BHDBT-K-E3SI-LR supports 7.1-channel surround sound, DTS-HD and Dolby TrueHD audio, as well as 3D video, EDID and HDCP.

### Features

**Extends HDMI Video/Audio, Ethernet, RS-232 Serial and IR Control Signals Over a Single Cat5e/6/6a Cable**

### Highlights

- Ideal for digital signs, classrooms and trade show booths
- Built-in 10/100 Ethernet ports on transmitter and receiver
- Extends both a 4096 x 2160 and 3840 x 2160 (4K x 2K) @ 30Hz signal up to 328 ft.
- Supports 7.1-channel surround sound, DTS-HD and Dolby TrueHD
- Controls RS-232 serial devices at baud rates up to 115 Kbps

### Package Includes

- Transmitter unit
- Receiver unit
- IR-IN cable - 5 ft.
- IR-OUT cable - 6 ft.
- (2) External Power Supplies with NEMA 1-15P Plug - 4.5 ft. (Input: 100–240V, 50/60 Hz, 1A; Output: 5V, 3A)
- Mounting hardware
- Owner's manual



- Ideal for digital signage, classrooms, retail locations, conference rooms and trade show booths
- Extends an Ultra High Definition (UHD) 4096 x 2160 or 3840 x 2160 (4K x 2K) @ 30Hz signal up to 328 ft.
- Supports 7.1-channel surround sound, DTS-HD and Dolby TrueHD audio
- Supports 3D video, EDID and HDCP
- Reduces cable clutter and installation costs

#### **Built-In 10/100 Ethernet Ports on Transmitter and Receiver**

- Allows connected devices to communicate with each other and access online content via LAN

#### **Controls Other Display 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 scanners and touchscreen monitors

#### **Easy to Set Up and Use**

- Plug and play with no software or drivers to download and install
- Included mounting hardware for installing each unit on a wall, rack or pole

#### **Locking HDMI Ports on Transmitter and Receiver**

- 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**

<b>OVERVIEW</b>	
UPC Code	037332188182
AC Adapter	Input: 4.5ft. 100-240V, 50/60Hz, 1A; Output: 5V, 3A
<b>PHYSICAL</b>	
Color	Black
Shipping Dimensions (hwd / cm)	21.41 x 15.01 x 8.10
Shipping Dimensions (hwd / in.)	8.43 x 5.91 x 3.19
Shipping Weight (kg)	2.22
Shipping Weight (lbs.)	4.90
<b>COMMUNICATIONS</b>	



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 1080P Range (ft)	328
Max 1920 x 1440 Range (ft)	328
Max 2560 x 1600 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 1920 x 1200 Range (ft)	328
Max 2048 x 1536 Range (ft)	328
Max 720P Range (ft)	328
<b>CONNECTIONS</b>	
Ports	1
Side A - Connector 1	HDMI (FEMALE)
Side A - Connector 2	(3) RJ45 (FEMALE)
Side A - Connector 3	RJ45 (FEMALE)
Side A - Connector 4	DB9 (FEMALE)
Side B - Connector 1	HDMI (FEMALE)
Side B - Connector 2	(3) RJ45 (FEMALE)
Side B - Connector 3	RJ45 (FEMALE)
Side B - Connector 4	DB9 (MALE)
<b>FEATURES &amp; SPECIFICATIONS</b>	
IR Remote Extension Support	Yes
RS-232 Serial Extension Support	Yes
10/100 Ethernet Extension Support	Yes
Technology	HDBaseT; HDMI; Serial (RS232); IR
<b>WARRANTY</b>	
Product Warranty Period (Worldwide)	1-year limited warranty



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