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## HDBaseT Class B (HDBaseT-Lite) HDMI Over Cat5e/6/6a Extender Kit, Serial & IR Control, 4K x 2K @ 30Hz UHD / 1080p @ 60Hz, Up to 230-ft. (70M), TAA

MODEL NUMBER: **BHDBT-K-SI**



Transmit HDMI video and audio, RS-232 serial and IR Remote Control signals over a single Cat5e/6/6a cable to a projector, monitor or television. Ideal for digital signs and trade show presentations.

### Description

The BHDBT-K-SI HDBaseT Class B (HDBaseT-Lite) Extender Kit allows you to transmit HDMI audio and video, RS-232 serial and IR Remote Control signals up to 230 feet (70 m) over a single Cat5e/6/6a cable, including a 1920 x 1080 (1080p) signal @ 60 Hz. Or you can extend an Ultra High Definition (UHD) 4096 x 2160 or 3840 x 2160 (4K x 2K) @ 30Hz video signal up to 130 feet (40 m). Add up to five Tripp Lite BHDBT-TR-SI transceivers (sold separately) between the transmitter and receiver units to further expand the range up to 780 feet (4096 x 2160 or 3840 x 2160 @ 30Hz) or 1,380 feet (1080p @ 60Hz) with a monitor connected via HDMI port to each transceiver.

You can also control RS-232 serial devices, such as touchscreen displays or scanners, at baud rates up to 115 Kbps. The BHDBT-K-SI's 2-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 High-Speed HDMI cables with locking connectors, such as P569-006-LOCK) on both the transmitter and receiver prevent cables from coming loose or undone, ensuring an intact signal.

The BHDBT-K-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 each unit to a wall, rack or pole. There's no software to download or install, and you can have the BHDBT-K-SI Extender Kit set up and ready to go quickly. Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases.

### Highlights

- Extends both a 4096 x 2160 and 3840 x 2160 (4K x 2K) @ 30Hz signal up to 130 feet (40 m)
- Extends a 1080p @ 60 Hz signal up to 230 feet (70 m)
- Supports 7.1-channel surround sound, DTS-HD and Dolby TrueHD
- Controls RS-232 serial devices at baud rates up to 115 Kbps
- Allows you to control a Blu-ray™ player from a remote monitor

### Package Includes

- Transmitter unit
- Receiver unit
- IR-IN cable
- IR-OUT cable
- 3.5 mm Male to DB9 Female adapter cable
- 3.5 mm Male to DB9 Male adapter cable
- (2) External Power Supplies 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

- Extends an Ultra High Definition (UHD) 4096 x 2160 or 3840 x 2160 (4K x 2K) @ 30Hz signal up to 130 feet (40 m)
- Extends a High Definition 1920 x 1080 (1080p) @ 60 Hz signal up to 230 feet (70 m)
- Accepts up to five BHDBT-TR-SI transceivers and six total monitors to further expand the range up to 780 feet (4096 x 2160 or 3840 x 2160 @ 30Hz) or 1,380 feet (1080p @ 60Hz)
- 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

### Allows You to Control 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 engineering means no software or drivers to download and install
- Ready to use in minutes
- Included mounting hardware lets you install each unit on a wall, rack or pole
- Locking HDMI ports (for use with Tripp Lite High Speed HDMI cables with locking connectors, such as P569-006-LOCK) on both the 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

| OVERVIEW                        |                                                |
|---------------------------------|------------------------------------------------|
| UPC Code                        | 037332187079                                   |
| AC Adapter                      | Input: 100-240V, 50/60Hz, 0.5A; Output: 5V, 3A |
| Technology                      | HDBaseT; HDMI (All types); Serial (RS232); IR  |
| PHYSICAL                        |                                                |
| Shipping Dimensions (hwd / in.) | 2.200 x 6.200 x 11.300                         |
| Shipping Dimensions (hwd / cm)  | 5.59 x 15.75 x 28.70                           |
| Shipping Weight (lbs.)          | 2.1000                                         |
| Shipping Weight (kg)            | 0.95                                           |



|                               |                                         |
|-------------------------------|-----------------------------------------|
| Included Mounting Accessories | Y                                       |
| Color                         | Black                                   |
| Unit Weight Details           | 0.55lbs (Transmitter) 0.5lbs (Receiver) |
| Transmitter Unit Height (in.) | 1.1                                     |
| Transmitter Unit Width (in.)  | 4.5                                     |
| Transmitter Unit Depth (in.)  | 2.5                                     |
| Receiver Unit Height (in.)    | 1.1                                     |
| Receiver Unit Width (in.)     | 4.5                                     |
| Receiver Unit Depth (in.)     | 1.1                                     |
| <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 1080P Range (ft)          | 230                                     |
| Max 1920 x 1440 Range (ft)    | 130                                     |
| Max 2560 x 1600 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 1920 x 1200 Range (ft)    | 130                                     |
| Max 2048 x 1536 Range (ft)    | 130                                     |
| Max 720P Range (ft)           | 230                                     |
| <b>CONNECTIONS</b>            |                                         |
| Ports                         | 1                                       |
| Side A - Connector 1          | HDMI (FEMALE)                           |
| Side A - Connector 2          | RJ45 (FEMALE)                           |



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|                                      |                         |
|--------------------------------------|-------------------------|
| Side B - Connector 1                 | HDMI (FEMALE)           |
| Side B - Connector 2                 | RJ45 (FEMALE)           |
| Side B - Connector 3                 | DB9 (MALE)              |
| <b>FEATURES &amp; SPECIFICATIONS</b> |                         |
| IR Remote Extension Support          | Yes                     |
| RS-232 Serial Extension Support      | Yes                     |
| 10/100 Ethernet Extension Support    | No                      |
| <b>CERTIFICATIONS</b>                |                         |
| Approvals                            | CE, FCC, RoHS, REACH    |
| <b>WARRANTY</b>                      |                         |
| Product Warranty Period (Worldwide)  | 1-year limited warranty |

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