

# HDBaseT Class B (HDBaseT-Lite) HDMI Over Cat5e/6/6a Extender Kit, Serial & IR Control, 4K x 2K 30 Hz UHD / 1080p 60 Hz, Up to 230 ft. (70 m), 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-ft. (70.1 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-ft. (39.62 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-ft. (237.74 m) (4096 x 2160 or 3840 x 2160 @ 30Hz) or 1,380-ft. (420.62 m) (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 Bluray 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.

#### **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-ft. (39.26 m)
- Extends a High Definition 1920 x 1080 (1080p) @ 60 Hz signal up to 230-ft. (70.1 m)
- Accepts up to five BHDBT-TR-SI transceivers and six total monitors to further expand the range up to 780-ft. (237.74 m) (4096 x 2160 or 3840 x 2160 @ 30Hz) or 1,380-ft. (420.62 m) (1080p @ 60Hz)
- Supports 7.1-channel surround sound, DTS-HD and Dolby TrueHD audio

### **Highlights**

- Extends both a 4096 x 2160 and 3840 x 2160 (4K x 2K) @ 30Hz 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
- Controls RS-232 serial devices at baud rates up to 115 Kbps
- Allows you to control a Blu-ray<sup>™</sup> 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



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
Product Type	Extender Kit
Technology	HDBaseT; HDMI; IR; Cat5/5e; Cat6
VIDEO	
Max Supported Video Resolution	3840 x 2160 (4K @ 30Hz)
Max 720P Range (ft)	230
Max 1080P Range (ft)	230
Max 1280 x 720 (720p) Range (ft)	230
Max 1920 x 1080 (1080p) Range (ft)	230
Max 1920 x 1200 Range (ft)	230
Max 2560 x 1600 Range (ft)	130
Max 3840 x 2160 (4K@30Hz) Range (ft)	130
Transmitter Video Input	номі
Receiver/Transceiver Video Output	HDMI
Receiver - Number of Video Outputs	1
Recommended Cabling	HDMI
Max Supported Color Depth	36-bit Deep Color



HDR Support  3D Video Supported  Maximum Signal Range (ft)  230  Maximum Signal Range (m)  70  AUDIO  Audio Input HDMI  Audio Output HDMI  Audio Specification  7.1 Channel Surround Sound, DTS-HD and Dolby TrueHD  INPUT  AC Power Adapter Plug(s)  NEMA 1-15P North America  AC Power Adapter Input Specs (V / 100-240V / 50/60Hz / 0.5A  AC Power Adapter Output Specs (V / 4)  AC Power Adapter Output Specs (V / 5V / 3A  AC Power Adapter Cord Length (ft.)  AC Power Adapter Cord Length (m)  1.4  Bus Powered  No  POWER  Power Source Type  AC Adapter  AC Plug Type  NEMA 1-15P  Power Source Type  AC Adapter  Nema 1-15P  Power Over Cable (PoC) Support  No  AC Adapter  Input: 100-240V, 50/60Hz, 0.5A; Output: 5V, 3A  CD Barrel Plug  OD: 5.5 x 2.1 x 7.5mm, Positive Pin, Negative Sleeve  USER INTERFACE, ALERTS & CONTROLS  LED INDICATES HDBASET SYSTEM ACTIVATION / ORANGE R.J45 LED's INDICATE HDCP IS WK.  LED INDICATES HDBASET SYSTEM ACTIVATION / ORANGE R.J45 LED's INDICATE HDCP IS WK.  LED INDICATES HDBASET SYSTEM ACTIVATION / ORANGE R.J45 LED's INDICATE				
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	ORKING / ORANGE UNIT E HDBASET LINK			
PHYSICAL				
Color Black				
Included Mounting Accessories Wallmount				
Number of Displays 1				
Optional Mounting Accessory Notes  Can DIN Mount using Tripp Lite Bracket <a class="productLink" href="//tripplite.eabracket-for-digital-signage-version-1~B110-DIN-01">B110-DIN-01</a>	eaton.com/din-rail-mounting-			
Form Factor/Mounting Options Box; Wall-mount				



Receiver Unit Dimensions (hwd / in.)	2.46 x 4.53 x 1.06	
Receiver Unit Height (in.)	1.1	
Receiver Unit Width (in.)	4.5	
Receiver Unit Depth (in.)	1.1	
Receiver Unit Weight (lbs.)	1.01	
Shipping Dimensions (hwd / in.)	2.20 x 6.20 x 11.30	
Shipping Dimensions (hwd / cm)	5.59 x 15.75 x 28.70	
Shipping Weight (lbs.)	2.10	
Shipping Weight (kg)	0.95	
Transmitter Unit Depth (in.)	2.5	
Transmitter Unit Dimensions (hwd / in.)	2.46 x 4.53 x 1.06	
Transmitter Unit Height (in.)	1.1	
Transmitter Unit Weight (lbs.)	1.01	
Transmitter Unit Width (in.)	4.5	
Unit Dimensions (hwd / in.)	0.000 x 0.000 x 0.000	
Unit Packaging Type	Вох	
Unit Weight (lbs.)	1.01	
Unit Weight (kg)	0.46	
Unit Weight Details	0.55lbs (Transmitter) 0.5lbs (Receiver	
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)	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	
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Product Warranty Period (Worldwide)	1-year limited warranty	
WARRANTY & SUPPORT		
Product Compliance	RoHS; REACH; FCC (USA); Trade Agreements Act (TAA)	
External Power Supply Certifications	UL; cUL; RoHS; FCC	
STANDARDS & COMPLIANCE		
Driver Required	No	
HDCP Specification	1.4	
Built-In Equalizer	No	
10/100 Ethernet Extension Support	No	
FEATURES & SPECIFICATIONS		
Daisy-chainable / Cascadable	No	
Side B - Connector 3	DB9 (MALE)	
Side B - Connector 2	RJ45 (FEMALE)	
Side B - Connector 1	HDMI (FEMALE)	
Side A - Connector 2	RJ45 (FEMALE)	
Side A - Connector 1	HDMI (FEMALE)	
Number of Ports	1	
CONNECTIONS		
USB Extension Support	No	
Consumer Electronics Control (CEC) Supported	Yes	
RS-232 Serial Extension Support	Yes	
IR Remote Extension Support	Yes	
EDID Compatible	Yes	
Max 2048 x 1536 Range (ft)	130	
Max 1600 x 1200 Range (ft)	230	
Max 800 x 600 Range (ft)	230	
Max 640 x 480 Range (ft)	230	
Max 480i Range (ft)	230	







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