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 feet (70.1 meters) over a single Cat5e/6/6a cable, including a 1920 x 1080 (1080p) signal at 60 Hz. Or you can extend a 4K (4096 x 2160 or 3840 x 2160 at 30 Hz) video signal up to 130 feet (39.6 meters). Add up to five BHDBT-TR-SI transceivers (sold separately) between the transmitter and receiver units to further expand the range up to 780 feet (237.7 meters) (4096 x 2160 or 3840 x 2160 at 30 Hz) or 1,380 feet (420.6 meters) (1080p at 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 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 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) @ 30 Hz signal up to 130-ft. (39.3 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. (237.7 m) (4096 x 2160 or 3840 x 2160 @ 30 Hz) or 1,380-ft. (420.6 m) (1080p at 60 Hz)
- 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

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™ 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

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 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	HDMI
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)	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 / 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
POWER	
Power Source Type	AC Adapter
AC Plug Type	NEMA 1-15P
Power Source	Transmitter and Receiver (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
CONNECTIONS	
Number of Ports	1
Side A - Connector 1	HDMI (FEMALE)
Side A - Connector 2	RJ45 (FEMALE)
Side B - Connector 1	HDMI (FEMALE)
Side B - Connector 2	RJ45 (FEMALE)
Side B - Connector 3	DB9 (MALE)
Daisy-chainable / Cascadable	No
USER INTERFACE, ALERTS & CONTROLS	
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
PHYSICAL	
Color	Black

Number of Displays	1
Optional Mounting Accessory Notes	Can DIN Mount using Tripp Lite Bracket B110-DIN-01
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	Box
Unit Weight (lbs.)	1.01
Unit Weight (kg)	0.46
Unit Weight Details	0.55lbs (Transmitter) 0.5lbs (Receiver
Housing	Metal
Mounting Details	Wallmount
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	0-85% 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
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	Yes
IR Remote Extension Support	Yes
RS-232 Serial Extension Support	Yes
Consumer Electronics Control (CEC) Supported	Yes
USB Extension Support	No
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

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