

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

MODEL NUMBER: BHDBT-K-PI



Extends HDMI video/audio and IR control signals with Power over a single Cat5e/6/6a cable to a projector, monitor or television up to 230 ft. from the source.

Description

The BHDBT-K-PI HDBaseT Class B (HDBaseT-Lite) HDMI over Cat5e/6/6a Extender Kit extends uncompressed HDMI audio and video and IR remote control signals up to 230-ft. (70.1 m) over a single Cat5e/6/6a cable, including video resolutions up to 1920 x 1080 (1080p). It also extends an Ultra High Definition (UHD) 4096 x 2160 or 3840 x 2160 (4K x 2K) @ 30Hz signal up to 130-ft. (39.62 m)

In addition to HDMI and IR signals, this extender kit features built-in PoE technology, which powers the receiver over Cat5e/6/6a cable, eliminating the need for an external power source.

The two-way IR remote control feature (@ 39 KHz) lets you control your Blu-ray player or other HDMI source 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-PI supports 7.1-channel surround sound, DTS-HD and Dolby TrueHD audio, as well as 3D video, EDID and HDCP. Attach the transmitter and receiver units to a wall, rack or pole with the included mounting hardware.

Features

Extends HDMI Video/Audio and IR Control Signals with Power Over a Single Cat5e/6/6a Cable

- Ideal for digital signage, classrooms, retail locations, conference rooms and trade show booths

Highlights

- Ideal for digital signs, classrooms and trade show booths
- Extends both a 4096 x 2160 and 3840 x 2160 (4K x 2K) @ 30Hz signal up to 130-ft. (39.62 m)
- Extends a 1920 x 1080 (1080p) signal up to 230-ft. (70.1 m)
- Supports 7.1-channel surround sound, DTS-HD and Dolby TrueHD
- Built-in PoE technology powers receiver over Cat5e/6/6a cable

Package Includes

- Transmitter unit
- Receiver unit
- IR-IN cable, 5-ft. (1.52 m)
- IR-OUT cable, 6-ft. (1.83 m)
- External Power Supply with C14 inlet (Input: 100-240V, 50/60 Hz, 1.5A; Output: 48V, 1A), 4.5-ft. (1.37 m)
- C13 to NEMA 5-15P power cord, 6-ft. (1.83 m)
- Mounting hardware
- Owner's manual



- Extends an Ultra High Definition (UHD) 4096 x 2160 or 3840 x 2160 (4K x 2K) @ 30Hz signal up to 130-ft. (39.62 m)
- Extends a high-definition 1920 x 1080 (1080p) signal up to 230-ft. (70.1 m)
- 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 PoE technology powers receiver over Cat5e/6/6a cable, eliminating need for external power source

Controls IR 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)

Locking HDMI Ports on Transmitter and Receiver

- Prevent cables from coming loose or disconnected, ensuring an intact signal
- Ideal for use with Tripp Lite's P569-006-LOCK high-speed HDMI cables with locking connectors

Easy to Set Up and Use

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

TAA-Compliant

- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Specifications

OVERVIEW	
UPC Code	037332186935
Product Type	Extender Kit
AC Adapter	Input: 100-240V, 50/60Hz, 1.5A; Output: 48V, 1A, 4.5ft.
Accessories Type	Extender Kit
Technology	HDBaseT; HDMI; IR; Cat5/5e; Cat6; POC
VIDEO	
Max Supported Video Resolution	3840x2160 (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	
Bus Powered	No
POWER	
Power Source Type	AC Adapter with detachable power cord
AC Plug Type	NEMA 5-15P
Power Source	Transmitter end only (Included)
Power Over Cable (PoC) Support	Yes
External Power Supply Input Specs (V / Hz / A)	100-240V / 50-60Hz / 2.0A
External Power Supply Output Specs (V / A)	48V/1.04A
External Power Supply Cord Length (ft.)	4.5
External Power Supply Cord Length (m.)	1.4
External Power Supply Certifications	UL; cUL; PSE; FCC; CE; TUV; LPS; RoHS; WEEE
USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	RJ45 INPUT/OUTPUT (GREEN / POWER, ORANGE / LINK) ACTIVITY (FLASHING ORANGE WHEN TX/RX POWERED AND CONNECTED) HDMI LINK (GREEN WHEN SIGNAL IS BEING SENT FROM SOURCE TO DISPLAY) POWER (GREEN)
PHYSICAL	



Color	Black
Included Mounting Accessories	Wallmount
Number of Displays	1
Optional Mounting Accessory Notes	Can DIN Mount using Tripp Lite Bracket B110-DIN-02
Form Factor/Mounting Options	Box; Wall-mount
Receiver Unit Dimensions (hwd / in.)	3.97 x 5.04 x 1.17
Receiver Unit Weight (lbs.)	1.7
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)	1.34
Shipping Weight (lbs.)	2.95
Transmitter Unit Dimensions (hwd / in.)	3.97 x 5.04 x 1.17
Transmitter Unit Weight (lbs.)	1.7
Unit Dimensions (hwd / in.)	3.97 x 5.04 x 1.17
Unit Packaging Type	Box
Unit Weight (kg)	0.77
Unit Weight (lbs.)	1.7
Housing	Metal
ENVIRONMENTAL	
Operating Temperature Range	32 to 104 F (0 to 40)
Storage Temperature Range	5 TO 122F (-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
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
CONNECTIONS	
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)
FEATURES & SPECIFICATIONS	
HDCP Specification	1.4
Driver Required	No
10/100 Ethernet Extension Support	No
Built-In Equalizer	No
STANDARDS & COMPLIANCE	
Certifications	Tested to FCC, RoHS, REACH
WARRANTY	
Product Warranty Period (Worldwide)	1-year limited warranty

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