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

MODEL NUMBER: **BHDBT-K-SPI**

Extends HDMI video/audio, RS-232 serial 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-SPI HDBaseT Class B (HDBaseT-Lite) HDMI over Cat5e/6/6a Extender Kit extends uncompressed 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 video resolutions up to 1920 x 1080 (1080p) at 60 Hz. It also extends an Ultra High Definition (UHD) 4096 x 2160 or 3840 x 2160 at 30 Hz signal up to 130 feet (39.6 meters).

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.

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 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-SPI 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, RS-232 Serial 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
- Extends an Ultra High Definition (UHD) 4096 x 2160 or 3840 x 2160 (4K x 2K) @ 30 Hz signal up to 130-ft. (39.62 m)
- Extends a high-definition 1920 x 1080 (1080p) at 60 Hz 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 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

Locking HDMI Ports on Transmitter and Receiver
- Prevent cables from coming loose or disconnected, ensuring an intact signal

- Ideal for use with 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 installing each unit on a wall, rack or pole

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

Specifications

OVERVIEW	
UPC Code	037332189516
Product Type	Extender Kit
Accessory Type	Extender
Technology	HDBaseT; HDMI; IR; Cat5/5e; Cat6; POC

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)	IEC-320-C14
AC Power Adapter Input Specs (V / Hz / A)	100-240V / 50/60Hz / 2A
AC Power Adapter Output Specs (V / A)	48V / 1.04A
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 with detachable power cord
AC Plug Type	NEMA 5-15P
Power Source	Transmitter end only (Included)
Power Over Cable (PoC) Support	Yes
AC Adapter	Input: 100-240V, 50/60Hz, 1.5A; Output: 48V, 1.04A, 4.5 ft.

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	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 / in.)	8.43 x 5.91 x 3.19
Shipping Dimensions (hwd / cm)	21.41 x 15.01 x 8.10
Shipping Weight (lbs.)	2.98
Shipping Weight (kg)	1.35
Transmitter Unit Dimensions (hwd / in.)	3.97 x 5.04 x 1.17
Transmitter Unit Weight (lbs.)	1.7
Unit Dimensions (hwd / in.)	0.000 x 0.000 x 0.000
Unit Packaging Type	Box
Unit Weight (lbs.)	1.7
Unit Weight (kg)	0.77
Housing	Metal

ENVIRONMENTAL

Operating Temperature Range	32° to 122°F (0° to 50°C)
Storage Temperature Range	-40° to 158°F (-40° to 70°C)
Relative Humidity	10% TO 90% RH, Non-Condensing
Operating Humidity Range	10% TO 90% RH, Non-Condensing
Storage Humidity Range	10% TO 90% 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; PSE; FCC; CE; TUV; LPS; RoHS; WEEE
Product Compliance	RoHS; REACH; FCC (USA); Trade Agreements Act (TAA)

WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	1-year limited warranty