HDBaseT HDMI over Cat5e/6/6a Extender Kit with Ethernet, Serial and IR Control, 4K x 2K 30 Hz / 1080p 60 Hz, Up to 328 ft. (100 m), TAA

MODEL NUMBER: **BHDBT-K-E3SI-LR**

Extends HDMI video/audio, Ethernet, RS-232 serial and IR control signals over a single Cat5e/6/6a cable to a projector, monitor or television up to 328 ft. from the source.

Description

The BHDBT-K-E3SI-LR HDBaseT HDMI over Cat5e/6/6a Extender Kit extends uncompressed HDMI audio and video, RS-232 serial and IR remote control signals up to 328.08-ft. (100 m) over a single Cat5e/6/6a cable, including an Ultra High Definition (UHD) 4096 x 2160 or 3840 x 2160 (4K x 2K) @ 30Hz signal.

In addition to HDMI, RS-232 and IR signals, this extender kit features three built-in 10/100 Ethernet ports on both the transmitter and receiver units. This allows connected devices, such as a Blu-ray™ player, cable/satellite box, and HDMI television, to communicate with each other and access online content via LAN.

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 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-E3SI-LR supports 7.1-channel surround sound, DTS-HD and Dolby TrueHD audio, as well as 3D video, EDID and HDCP.

Features

Extends HDMI Video/Audio, Ethernet, RS-232 Serial and IR Control Signals 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) @ 30Hz signal up to 328.08-ft. (100 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 10/100 Ethernet Ports on Transmitter and Receiver
- Allows connected devices to communicate with each other and access online content via LAN

Highlights
- Ideal for digital signs, classrooms and trade show booths
- Built-in 10/100 Ethernet ports on transmitter and receiver
- Extends both a 4096 x 2160 and 3840 x 2160 (4K x 2K) @ 30Hz signal up to 328.08-ft. (100 m)
- Supports 7.1-channel surround sound, DTS-HD and Dolby TrueHD
- Controls RS-232 serial devices at baud rates up to 115 Kbps

Package Includes
- Transmitter unit
- Receiver unit
- IR-IN cable - 5-ft. (1.52 m)
- IR-OUT cable - 6-ft. (1.83 m)
- (2) External Power Supplies with NEMA 1-15P Plug - 4.5-ft. (1.37 m) (Input: 100-240V, 50/60 Hz, 1A; Output: 5V, 3A)
- Mounting hardware
- Owner's manual

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

Easy to Set Up and Use
- Plug and play with no software or drivers to download and install
- Included mounting hardware for installing each unit on a wall, rack or pole

Locking HDMI Ports on 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	037332188182
Product Type	Extender Kit
Accessory Type	Extender
Technology	HDBaseT; HDMI; IR; Cat5/5e; Cat6

VIDEO	
Max Supported Video Resolution	3840x2160 (4K @ 30Hz)
Max 720P Range (ft)	328
Max 1080P Range (ft)	328
Max 1280 x 720 (720p) Range (ft)	328
Max 1920 x 1080 (1080p) Range (ft)	328
Max 1920 x 1200 Range (ft)	328
Max 2560 x 1600 Range (ft)	328
Max 3840 x 2160 (4K@30Hz) Range (ft)	328
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)	328
Maximum Signal Range (m)	100
AUDIO	
Audio Input	HDMI
Audio Output	HDMI
Audio Specification	7.1 Channel Surround Sound, DTS-HD and Dolby TrueHD
INPUT	
AC Power Adapter Input Specs (V / Hz / A)	100-240V / 50-60Hz / 1.0A
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 or Receiver (Included)
Power Over Cable (PoC) Support	No
AC Adapter	Input: 4.5ft. 100-240V, 50/60Hz, 1A; Output: 5V, 3A
Power Consumption (Watts)	15.00
CONNECTIONS	
Number of Ports	1
Side A - Connector 1	HDMI (FEMALE)
Side A - Connector 2	(3) RJ45 (FEMALE)
Side A - Connector 3	RJ45 (FEMALE)
Side A - Connector 4	DB9 (FEMALE)
Side B - Connector 1	HDMI (FEMALE)
Side B - Connector 2	(3) RJ45 (FEMALE)
Side B - Connector 3	RJ45 (FEMALE)
Side B - Connector 4	DB9 (MALE)
USER INTERFACE, ALERTS & CONTROLS	

LED Indicators	RJ45 INPUT/OUTPUT (GREEN / POWER, ORANGE / LINK) RJ45 10/100 ETHERNET (GREEN / SIGNAL, FLASHING ORANGE / ACTIVITY) 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.)	4.90
Shipping Weight (kg)	2.22
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)	328
Max 480P Range (ft)	328
Max 1440 x 900 Range (ft)	328
Max 1080i Range (ft)	328
Max 1920 x 1440 Range (ft)	328

Max 4K UHD Range (ft)	328
Max 480i Range (ft)	328
Max 640 x 480 Range (ft)	328
Max 800 x 600 Range (ft)	328
Max 1600 x 1200 Range (ft)	328
Max 2048 x 1536 Range (ft)	328
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	Yes
Built-In Equalizer	No
HDCP Specification	1.4
Driver Required	No

STANDARDS & COMPLIANCE

External Power Supply Certifications	UL; cUL; PSE; FCC
Product Compliance	RoHS; REACH; FCC (USA)

WARRANTY & SUPPORT

Product Warranty Period (Worldwide)	1-year limited warranty

Mouser Electronics

Authorized Distributor

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