

HDBaseT HDMI Over Cat5e/6/6a Extender Kit with Serial and IR Control, 4Kx2K UHD / 1080p, Up to 328-ft. (100M)

MODEL NUMBER: BHDBT-K-SI-LR



Description

Tripp Lite's BHDBT-K-SI-LR implements HDBaseT technology to transmit HDMI audio and video, RS-232 Serial, and IR Remote Control signals up to 328-ft. (100M) over a single Cat5e/6/6a cable. It allows an Ultra High Definition (UHD) 4Kx2K or High Definition 1080p video signal to be extended up to 328-ft. (100M) from the source. You can further expand the range and number of monitors in your installation by adding BHDBT-TR-SI-LR transceivers in between the transmitter and receiver units. The BHDBT-TR-SI-LR features a HDMI port for the connection of a monitor, and can be located 328-ft. (100M) from the transmitter unit. The receiver unit can then be located the same distance from the transceiver, allowing you to double the total extension distance. Up to 5 transceiver units can be inserted in between the transmitter and receiver, allowing for an overall extension distance of up to 2,000-ft. (600M), with a monitor located at each point in the chain.

In addition to transmitting HDMI audio and video, the BHDBT-K-SI-LR features 2-way IR Remote Control, allowing you to control your Blu-Ray player using its remote control when at the remote display, or to control your remote display using its remote control when at the Blu-Ray player. (IR Frequency @ 39Khz) RS-232 Serial is also transmitted, with support for baud rates up to 115kbps, allowing you to control serial devices such as touchscreens or scanners.

The transmitter and receiver feature locking HDMI ports, for use with Tripp Lite's series of High Speed HDMI cables with Locking connectors (e.g. [P569-006-LOCK](#)). These cables lock into the ports on the transmitter and receiver units, preventing them from accidentally being loosened or disconnected, and ensuring that your signal remains intact. The BHDBT-K-SI supports 7.1 channel surround sound, DTS-HD, and Dolby TrueHD audio, as well as 3D video, EDID, and HDCP. Mounting hardware is included that allows each unit to be wall mounted, rack mounted, or pole mounted. Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases.

Features

Highlights

- Supports Ultra High Definition (UHD) 4Kx2K video resolutions up to 3840 x 2160 (24Hz or 30Hz)
- Extends a 3840 x 2160 (4Kx2K) or 1920 x 1080 (1080p) video signal up to 328-ft. (100M) from the source
- Further extend the range and number of displays by adding BHDBT-TR-SI-LR transceivers (increase the range by up to 6 times!)
- IR Remote Control allows you to control your Blu-Ray player using its remote control when at the remote display
- Supports 7.1 channel surround sound, DTS-HD, and Dolby TrueHD audio
- Supports 3D video, EDID, and HDCP
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Package Includes

- Transmitter and Receiver Units
- IR-IN and IR-OUT Cables
- 3.5 mm Male to DB9 Female Adapter Cable
- 3.5 mm Male to DB9 Male Adapter Cable
- (x2) External Power Supplies (Input: 100-240V, 50/60 Hz, 0.5A Output: 5V, 3A)
- Mounting Hardware
- Owner's Manual



- Supports Ultra High Definition (UHD) 4Kx2K video resolutions up to 3840 x 2160 (24Hz or 30Hz)
- Extends a 3840 x 2160 (4Kx2K) or 1920 x 1080 (1080p) video signal up to 328-ft. (100M) from the source
- Further extend the range and number of monitors by adding BHDBT-TR-SI-LR transceivers
- Each transceiver features a HDMI port for the connection of a monitor, and can be located up to 328-ft. (100M) from the unit preceding it
- Up to 5 transceivers can be located between the transmitter and receiver, allowing for an overall extension distance of 2,000-ft. (600M), with a monitor located at each point in the chain
- 2-way IR Remote Control allows you to control your Blu-Ray player using its remote control when at the remote display, or to control your remote display using its remote control when at the Blu-Ray player (IR Frequency @ 39Khz)
- Extend a full duplex RS-232 serial signal, such as from a touchscreen monitor or scanner
- Supports RS-232 serial baud rates up to 115kbps full duplex
- The transmitter and receiver feature locking HDMI ports, for use with Tripp Lite's series of High Speed HDMI cables with Locking connectors (e.g. [P569-006-LOCK](#)). These cables lock into the ports on the transmitter and receiver units, preventing them from accidentally being loosened or disconnected, and ensuring that your signal remains intact,
- Features built-in power surge protection and high ground loop immunity to ensure high performance signal extension
- 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
- Plug and play; no software or drivers required
- Includes mounting hardware, allowing each unit to be wall mounted, rack mounted or pole mounted
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Specifications

General Info	
RoHS	Y
OVERVIEW	
Chromebook Compatible	Yes
Display Style	Extender
Model Type	HDMI
Cable Types	CAT5/CAT5E
PHYSICAL	
Included Mounting Accessories	Y
Color	Black
Unit Weight Details	0.55lbs (Transmitter) 0.5lbs (Receiver)
Transmitter Unit Height (in.)	1.1
Transmitter Unit Width (in.)	4.5
Transmitter Unit Depth (in.)	2.5
Receiver Unit Height (in.)	1.1
Receiver Unit Width (in.)	4.5



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Receiver Unit Depth (in.)	1.1
ENVIRONMENTAL	
Operating Temperature Range	0 to 40 C (32 to 104 F)
Storage Temperature Range	-20 to 60 C (-4 to 140 F)
Relative Humidity	20 to 90%
CONNECTIONS	
Connector A	HDMI (FEMALE) (X2)
Connector B	RJ45 (FEMALE) (X2)
Connector C	3.5MM (FEMALE) (X6)
CERTIFICATIONS	
Approvals	CE, FCC, RoHS, REACH
WARRANTY	
Product Warranty Period (Worldwide)	1-year limited warranty

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