

HDBaseT HDMI over Cat5/6/6a Extender, Matrix Transmitter, Serial and IR, 4K x 2K @ 30Hz UHD / 1080p @ 60Hz, 4 Input, 2 Output, Up to 500 ft. (152.4 m), TAA

MODEL NUMBER: **BHDBT-T-SI-4X2**



Works with a Tripp Lite HDBaseT receiver to extend uncompressed HDMI video and audio, RS-232 serial and IR remote control signals over a Cat5e/6/6a cable up to 500 ft. to dual projectors, monitors or televisions.

Features

Supports the Latest Video and Audio Applications

- Connects to Tripp Lite BHDBT-Series receivers and transceivers with a single Cat5e/6/6a cable
- Extends a High Definition 1920 x 1080 (1080p) @ 60 Hz signal up to 500 ft. (150 m)***
- Extends an Ultra High Definition (UHD) 4096 x 2160 or 3840 x 2160 (4K x 2K) @ 30Hz signal up to 328 ft. (100 m)***
- 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
- Add up to 5 BHDBT-Series Extender Transceivers to further expand the range of your installation up to 3,000 ft. (1080p) with a monitor attached to each transceiver***

Features 4 HDMI Input Ports and 2 RJ45 Output Ports

- Can route any source to either display or the same source to both displays
- Control inputs and outputs using unit pushbuttons, included remote control or via your computer's Terminal Emulation Software

Allows You to Control Other 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)

Highlights

- Features 4 HDMI input ports and 2 RJ45 output ports
- Supports video resolutions up to 4096 x 2160 and 3840 x 2160 (4K x 2K) @ 30Hz*
- Supports 7.1-channel surround sound, DTS-HD and Dolby TrueHD
- Mounts easily to wall, rack or pole
- Plug and play—no software or drivers to install

Package Includes

- BHDBT-T-SI-4X2 HDBaseT HDMI over Cat5e/6/6a 4x2 Extender Matrix Transmitter
- Remote control
- IR extension cable
- 3.5 mm Male to DB9 Female adapter cable
- External Power Supply with NEMA 1-15P Plug (Input: 100–240V, 50/60 Hz, 0.5A; Output: 5V, 3A)
- Mounting hardware
- Owner's Manual



- RS-232 serial port supports 115 Kbps full-duplex baud rates for devices such as scanners and touchscreen monitors

Easy to Set Up and Use

- Plug-and-play engineering—no software or drivers to download and install
- Included mounting hardware lets you install each unit on a wall, rack or pole
- Locking HDMI ports (ideal for use with Tripp Lite's P569-006-LOCK HDMI cables) 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 | 037332187000 |
| Product Type | HDBaseT (cat5/Cat6) Transmitter |
| AC Adapter | Input: 100-240V, 50/60Hz, 0.5A; Output: 5V, 3A |
| Technology | HDBaseT; HDMI; Serial (RS232); IR; Cat5/5e; Cat6 |
| Form Factor and Mounting Options | Box; Wall-mount |
| VIDEO | |
| Max Supported Video Resolution | 3840x2160 (4K @ 30Hz) |
| Max 720P Range (ft) | 500 |
| Max 1080P Range (ft) | 500 |
| Max 1280 x 720 (720p) Range (ft) | 500 |
| Max 1920 x 1080 (1080p) Range (ft) | 500 |
| Max 1920 x 1200 Range (ft) | 500 |
| Max 2560 x 1600 Range (ft) | 328 |
| Max 3840 x 2160 (4K@30Hz) Range (ft) | 328 |
| Transmitter Video Input | HDMI |
| Signal Range (ft.) | 328 |
| Signal Range (m) | 100 |
| Recommended Cabling | HDMI |
| Max Supported Color Depth | 36-bit Deep Color |



| | |
|---|--|
| 3D Video Supported | Yes |
| AUDIO | |
| Audio Input | HDMI |
| Audio Output | HDMI |
| Audio Specification | 7.1 Channel Surround Sound, DTS-HD and Dolby TrueHD |
| POWER | |
| Power Source | Unit (Included) |
| Power Source Type | AC Adapter |
| AC Plug Type | NEMA 1-15P |
| External Power Supply Input Specs (V / Hz / A) | 100-240V / 50-60Hz / 0.5A |
| External Power Supply Output Specs (V / A) | 5V/3A |
| External Power Supply Cord Length (ft.) | 4.5 |
| External Power Supply Cord Length (m.) | 1.4 |
| External Power Supply DC Barrel Connector Specs | OD: 5.5 x 2.1 x 7.5mm, Positive Pin, Negative Sleeve |
| External Power Supply Certifications | UL; cUL; RoHS; FCC |
| PHYSICAL | |
| Color | Black |
| Included Mounting Accessories | Wallmount |
| Number of Displays | 4 |
| Shipping Dimensions (hwd / cm) | 5.59 x 35.31 x 16.51 |
| Shipping Dimensions (hwd / in.) | 2.20 x 13.90 x 6.50 |
| Shipping Weight (kg) | 1.81 |
| Shipping Weight (lbs.) | 4.00 |
| Transmitter Unit Dimensions (hwd / in.) | 1.7 x 17.3 x 4.7 |
| Transmitter Unit Weight (lbs.) | 3.5 |
| Unit Dimensions (hwd / in.) | 1.2 x 9.3 x 3.9 |
| Unit Packaging Type | Box |
| Unit Weight (kg) | 1.59 |
| Unit Weight (lbs.) | 3.5 |
| Unit Weight Details | 3.5lbs |



| | |
|--|---------------------------|
| Housing | Metal |
| 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% |
| Operating Humidity Range | 20 to 90% |
| Storage Humidity Range | 20 to 90% |
| COMMUNICATIONS | |
| Max 1024 x 768 Range (ft) | 500 |
| Max 480P Range (ft) | 500 |
| Max 1440 x 900 Range (ft) | 500 |
| Max 1080i Range (ft) | 500 |
| Max 1920 x 1440 Range (ft) | 328 |
| Max 4K UHD Range (ft) | 328 |
| Max 480i Range (ft) | 500 |
| Max 640 x 480 Range (ft) | 500 |
| Max 800 x 600 Range (ft) | 500 |
| Max 1600 x 1200 Range (ft) | 500 |
| 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 | 4 |
| Side A - Connector 1 | (4) HDMI (FEMALE) |
| Side A - Connector 2 | DB9 (FEMALE) |
| Side B - Connector 1 | (2) RJ45 (FEMALE) |
| FEATURES & SPECIFICATIONS | |
| HDMI Specification | 1.4 |
| HDCP Specification | 1.4 |
| Driver Required | No |



Tripp Lite
1111 W. 35th Street
Chicago, IL 60609 USA
Telephone: 773.869.1234
www.tripplite.com

| | |
|-------------------------------------|----------------------------|
| Built-In Equalizer | No |
| STANDARDS & COMPLIANCE | |
| Certifications | Tested to FCC, RoHS, REACH |
| Approvals | CE, FCC, RoHS, REACH |
| WARRANTY | |
| Product Warranty Period (Worldwide) | 1-year limited warranty |

© 2021 Tripp Lite. All rights reserved. All product and company names are trademarks or registered trademarks of their respective holders. Use of them does not imply any affiliation with or endorsement by them. Tripp Lite has a policy of continuous improvement. Specifications are subject to change without notice. Tripp Lite uses primary and third-party agencies to test its products for compliance with standards. See a list of Tripp Lite's testing agencies: <https://www.tripplite.com/products/product-certification-agencies>