



UH-BT

HDMI over UTP Extender with HDBaseT™ Class B (HDBaseT-Lite™) Sender & Receiver



FEATURES

- Extends HDMI (or DVI) + RS-232 over a single CAT5e/CAT6 UTP cable up to 230/328 ft (70/100 m) depending on Model
- Optional Long Reach mode (BTX Only) to extend 1080p up to 492 ft / 150 m.
- Utilizes HDBaseT™ Class B (HDBaseT-Lite™) extension technology
- Can connect to all HDBaseT™ and HDBaseT-Lite™ compliant products
- Full HD support for 1080p deep color, 3D, and 4K UHD
- Designed and manufactured in USA
- CEC pass-thru for simplified control among compatible devices
- Uncompressed digital video extension guarantees 100% fidelity
- Reliable, trouble free operation
- Plug and Play – no user configuration required
- Sturdy, compact metal enclosure with mounting provisions
- Compatible with Locking HDMI connectors
- Universal Power Supplies with Locking connectors
- HDCP Compliant with pass-thru EDID from display back to source

DESCRIPTION

This HDBaseT extension kit comprised of a compact Sender (UH-BT-S) and corresponding Receiver (UH-BT-R). The UH-BT and UH-BTX are a family of HDBaseT™ compliant Senders and Receivers used to extend uncompressed HDMI video and RS-232 control signals up to 230 ft (-BT models) or 328 ft (-BTX models) over a single CAT5e/CAT6 UTP cable.

The extenders are comprised of a Sender (-S) and a Receiver (-R) and extend all PC and HD resolutions without compression, up to 4K UHD.

Full-duplex RS-232 extension is provided via 3-pin terminal blocks, supporting all baud rates up to 115,200 bps.

Note:

The UH-BT and UH-BTX Senders and Receivers are compatible with each other; however the maximum distance achievable is dictated by the lower of the two – 230 ft / 70 m.



Max Distance	230 ft (70m)		
Video Standards	DVI (single link) HDMI 1.4 video specifications including 4K UHD, 12 bit color depth and 3D video support HDCP 1.4		
Connectors	<table border="0"> <tr> <td style="vertical-align: top;"> UH-BT(X)-S (1) HDMI Input (1) 3-pin RS-232 screw terminal (1) UTP Output (1) 2.0 mm Locking DC Power Jack input </td> <td style="vertical-align: top; padding-left: 20px;"> UH-BT(X)-R (1) HDMI Output (1) 3-pin RS-232 screw terminal (1) UTP Output (1) 2.0 mm Locking DC Power Jack input </td> </tr> </table>	UH-BT(X)-S (1) HDMI Input (1) 3-pin RS-232 screw terminal (1) UTP Output (1) 2.0 mm Locking DC Power Jack input	UH-BT(X)-R (1) HDMI Output (1) 3-pin RS-232 screw terminal (1) UTP Output (1) 2.0 mm Locking DC Power Jack input
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Video Resolutions	DVI signal VGA (640x480) thru WUXGA (1920x1200) HDTV signal 480i through 4K @30 Hz 4:4:4 or 4K @60 Hz 4:2:0 UHD		
Audio	All HDMI Embedded Audio		
RS-232	(1) RX, TX and GND on Terminal Strip. Supports all common baud rates including 1200, 2400, 4800, 9600, 19200, 38400, 57600, or 115200		
DDC	Pass-Thru DDC for reading EDID directly from remotely connected display + HDCP handshake		
CEC	Pass-Thru Consumer Electronics Control (CEC) for compatible devices		
Power Supply	100 VAC to 240 VAC, 50-60 Hz, external; 5 VDC, 2.0 A, regulated		
Temperature	Storage: -40 to 158 °F (-40 to 70 °C) Operating: 32 to 104 °F (0 to 40 °C)		
Humidity	10% to 90%, non-condensing		
Typical DC Current Draw	5 VDC, 2.0 A Power Supply Sender: 2.25 watts max Receiver: 4.25 watts max		
Cooling	Convection		
Enclosure	Metal (Steel ends, Aluminum extrusion)		
Dimensions	1.18" H x 2.75" W x 3.85" D 30mm H x 70mm W x 98mm D (Depth excludes connectors)		
Weight	Product: 0.75 lb (0.35 kg) Shipping: 1.5 lbs (0.70 kg)		
Safety	CE		
EMI/EMC	CE, FCC Class A		
MTBF	90,000 hours (estimate)		
Warranty	3 years parts and labor		