



Features

- Extend HDMI or DVI over single Cat 5e/6 up to 230 ft (70 m)
- Full HD support 1080p deep color, 3D, and 4K x 2K
- HDCP Compliant with pass-thru EDID from display to source
- Supports virtually all HD and PC resolutions
- Supports HDMI Audio
- Locking HDMI connector
- Universal power supply included
- Uncompressed digital video extension guarantees 100% fidelity
- Plug and play, no configuration required
- Compact metal enclosure with mounting provisions
- Reliable, trouble free operation
- 100% designed and manufactured in the USA

RXUH-1BT

RXUH-1BT is used to extend HDMI or DVI video signals up to 230 ft over inexpensive UTP (Cat6) cable using HDBaseT™ Class B (HDBaseT-Lite™) technology. Video and embedded audio signals are transmitted without any compression to the remote for a 100% identical reproduction even at resolutions of 4kx2k.

The RXUH-1BT requires use with TXUHBX-S transmitter. This requires the use of a PoH inserter, which is included. The 511-POH-17W is a PoH compliant power inserter that can be used to power one end of an HDBaseT™ link. It passes the UTP signals across while at the same time injects 48v power for the PD (powered device). The supply complies with the IEEE 802.3af and will only apply power to the cable if a compliant device is connected.

The extender is HDCP compliant with pass-thru EDID. It supports embedded audio, Full HD, deep color (1080p@60Hz @ 48 bits/pixel), 3D video, and 4Kx2K resolution. Secondary data channels such as: DDC, CEC, and HPD (Hot-Plug Detect) are also transparently extended. Plug and play operation with no user adjustments offer a truly trouble-free experience.

Specifications

Max Distance:	230 ft (70m)
Video Standards:	DVI (single link) and HDMI (compliant with HDMI 1.4 video specifications including 12 bit color depth, 3D video and 4K support)
Signal Type:	TMDS
Connectors:	Locking HDMI
Video Resolutions:	DVI: VGA (640x480) to WUXGA (1920x1200) HDTV: 480i to 1080p Digital Cinema: 4K (4096x2160)
Audio:	All HDMI Embedded Audio
DDC:	Pass-Thru DDC for reading EDID directly from remotely connected LCD and HDCP handshake
CEC:	Pass-Thru DDC for Consumer Electronics Control compatible devices
Power Supply:	100 VAC to 240 VAC, 50-60 Hz, external; 5 VDC, 2.6 A, regulated
Nominal Power:	Sender: 2.25 W max
Receiver:	4.25 W max
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
Cooling:	Convection
Mounting:	End plates have L bracket with hole for surface mounting
Enclosure:	Metal (Steel ends and 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)

Block Diagram

