



## Features

- Extend HDMI or DVI over single Cat 5e/6 up to 330 ft (100 m)
- Utilizes HDBaseT™ extension technology
- 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
- Compatible with all HDBaseT™ and HDBaseT™ Class B (HDBaseT-Lite™) compliant products
- 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
- Extends digital signal as far as physically possible over UTP cable

## Description

The RXUH-1BTX extends any HDMI or single link DVI video signal up to 330 ft (100 m) over inexpensive Cat5e or Cat6 cable using HDBaseT™ technology. This is currently the longest distance achievable for digital video over twisted pair. Video and embedded audio signals are transmitted without any compression to the remote for a 100% identical reproduction.

The RXUH-1BTX consists of a Receiver with metal enclosures. All secondary data channels such as HDCP, DDC, and Hot-Plug detect are transparently connected between the source and the sink for a truly trouble-free operation.

### Specifications

Max Distance:	330 ft (100m)
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:	4.625" x 2.75" x 1.25"
Weight:	Product: 0.75 lb (0.35 kg)
Vibration:	ISTA 1A in carton (International Safe Transit Association)
Safety:	CE
EMI/EMC:	CE, FCC Class A
MTBF:	90,000 hours (Calculated Estimate)

### Block Diagram

