



HDMI Video Extender

HBX-R

SKU: 58077 UPC: 608416000000

This product is a Class A HDBaseT compliant Receiver that supports 100meter Cat6 range and is used to extend HDMI, RS-232, IR, and Ethernet (100BaseT) up to 100 meters (328 feet) using a single Cat6 cable.

Since the product uses the HDBaseT standard, video is extended pixel-by-pixel with no compression or latency. The extender supports all PC and HDTV Resolutions including 4K @ 30 Hz 4:4:4 or 4K @ 60 Hz 4:2:0. The IR extension preserves the modulation (carrier) frequency thereby providing compatibility to most standards.

Receiver includes a universal 5v power supply. IR emitter and IR detector cables are included.

Features

- Fully Compliant with HDBaseT standard
- Supports virtually all HDMI and DVI resolutions including 4K UHD
- Extends, Video, Audio, RS-232, IR, and Ethernet
- Supports extension to 100 m (330 ft)
- Fully isolates grounds between TX and RX sides
- Compact, Rugged, Reliable, and Economical
- Plug and play, no configuration needed
- Receiver can be powered via PoC from senders that provide PoC such as HSM-44-BX Matrix Switch with HDBaseT outputs

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 Resolutions DVI signal - VGA (640x480) thru WUXGA (1920x1200) HDTV signal - 480i through 1080p Digital Cinema - 4K30 4:4:4 or 4K60 4:2:0 (4096x2160) up to 60 m Audio Formats All HDMI Embedded Audio including: LPCM 7.1CH, Dolby TrueHD and DTS-HD Master Audio (32-192 kHz sample rate) Other Signals DDC Pass-Thru DDC for reading EDID directly from remotely connected LCD and HDCP handshake CEC Pass-Thru CEC for Consumer Electronics Control compatible devices RS232 Bidirectional (full-duplex) any baud rate up to 115,200 Ethernet 100BaseT Ethernet LAN IR Extended in both directions. Carrier modulation range from 30 kHz to 60 kHz General Power Supply 100 VAC to 240 VAC, 50-60 Hz, external; 5 VDC, 2 A, regulated Power Sender & Receiver: 10 watts maximum Temp/humidity Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, non-condensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, non-condensing Cooling Convection Mounting End plates with hole for surface mounting Enclosure type Metal (Aluminum ends, Aluminum Extrusion) Dimensions 1.0" H x 3.9" W x 3.9" D (25mm H x 100mm W x 100mm D) Depth excludes connectors Product weight Sender 9.3 oz (0.58 lb or 264 g) Receiver 10 oz (0.63 lb or 284 g) Kit (shipping) 37 oz (2.3 lb or 1050 g) includes: sender, receiver, universal power supply, manual, and packaging Safety CE EMI/EMC CE, FCC Class A MTBF 90,000 hours (Calculated Estimate) Warranty 3 years parts and labor