

# Hall Research UHBX-R-48 HDBaseT Extender (Receiver) with HDMI/IR/RS232/PoH Source

## Video Standards:

DVI (single link) and HDMI (compliant with HDMI 1.4 video specifications including 12 bit color depth, 3D video)

### • Signal Type:

TMD5

### • Connectors:

Locking HDMI

### • Max Distance:

Standard Mode (STD): 330 ft (100m) Long Reach Mode (LR) : 500 ft (150m)

### • Video Resolutions:

DVI: VGA (640x480) to WUXGA (1920x1200) HDTV: 480i to 1080p Digital Cinema: 4K (4096x2160) Supports 4K@60 Hz (4:2:0 8 bit color) or 4K@30 Hz (4:4:4 and 8 bit color)

### • Audio Formats:

All HDMI Embedded Audio including: LPCM 7.1CH, Dolby TrueHD and DTS-HD Master Audio (32-192kHz sample rate)

### • 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

### • RS232:

Bi-directional (full-duplex) any baud rate upto 115,200

### • IR:

Extended in both directions. Carrier modulation range from 30 KHz to 60 KHz

### • Power Supply:

100 VAC to 240 VAC, 50-60 Hz, external; 48 VDC

### • Power:

Uses ~6 watts, and can send 30 watts minimum on UTP

### • 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 have L bracket with hole for surface mounting

### • Enclosure:

Metal (Steel ends and Aluminum extrusion)

### • Dimensions:

1.18" H x 4.13" W x 4.57" D (30mm H x 105mm W x 116mm D) Depth excludes connectors

### • Vibration:

ISTA 1A in carton (International Safe Transit Association)

### • Safety:

CE

- **EMI/EMC:**

CE, FCC Class A

- **MTBF:**

90,000 hours (Calculated Estimate)