

# Hall Technologies HBX-R HDMI Video Extender (Receiver) With Ultra-HD AV/IR/RS232 and Ethernet

## 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)

## 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

## Power Supply:

100 VAC to 240 VAC, 50-60 Hz, external; 5 VDC, 2 A, regulated

## Power:

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

## Safety:

CE

## EMI/EMC:

CE, FCC Class A

## MTBF:

90,000 hours (Calculated Estimate)