



EX-HDBT3-RX100

RX POH Card for Presentation Switch



FEATURES

- HDBT 3.0 Expansion Card for the EMCEE200
- NO Signal Compression
- HDMI 2.0a compliant
- Supports 4K2K@60 4:4:4 8bits
- Supports High Dynamic Range (HDR)
- Extends the HDMI Signal up to 90m (295ft)* at 4K2K@60 4:4:4 (4K-HDR Technology) over Cat.6A
- Supports PoE
- HDCP & EDID Bypass
- CEC support
- Auto equalization
- Bi-directional IR path-through
- USB 2.0 over Cat.6A cable transmission
- Support HDMI loopout at transmitting unit
- Pure unaltered uncompressed 7.1ch digital HDMI over Cat.6A cable transmission
- DTS-HD Master Audio and Dolby TrueHD high bit rate audio support
- Supports full frequency IR signal from 20KHz to 60KHz
- Full Duplex RS-232 control up to 115,200 bps through connector
- Wall mounting housing design for easy and robust installation

DESCRIPTION

The RX100 is an HDBaseT receiver for use with the EX-HDBT3-TX100 when installed in the EMCEE200 presentation switcher. When connected to the TX100, this receiver adds an additional mirrored output to the EMCEE200. The RX100 extends HDMI 2.0, Bi-Directional IR, USB 2.0, RS-232 and receives PoE over a single CAT6A cable via HDBaseT 3.0 up to 90 meters (295 ft). A second HDMI input allows for additional connection of a local source device.



| | | |
|-----------------|---|---|
| Video | DVI (single link) HDMI 1.4 and HDMI 2.0b including 12 bit color depth, 3D video and HDCP 1.4/2.2 | |
| | Resolutions | DVI signal - VGA (640x480) thru WUXGA (1920x1200) HDTV signal 480p through 4K 60 Hz 4:4:4 |
| | Connectors | (1) Terminal block 3P RS232 (1) 3.5 mm IR IN (1) 3.5 mm IR OUT (1) USB 2.0 Tab B (1) RJ45 HDBT |
| Audio | Formats | LPCM 2CH Audio (32, 44.1 and 48 KHz sample rate) Digital Audio multi-channel 2.0, 5.1, 7.1 |
| Other Signals | RS-232 | (1) RX, TX and GND on Terminal Strip RS-232 Baud Rate: 115200, N, 8, 1 |
| | USB | (1) USB-B Host port - USB 2.0/1.1 compatible |
| | IR | (1) 3.5mm IR Receiver: Tip= IR signal, Ring = GND , Sleeve= V+ (1) 3.5mm IR Emitter: Tip= IR signal, Sleeve= GND |
| POH Voltage | 48VDC PD | |
| POH Standard | 802.3af POH | |
| POH Class | class 3 13.5W | |
| Temp / Humidity | Storage: -4°F to 140°F (-20°C to 60°C) / 20% to 90%, RH non-condensing Operating: +32 to +122°F (0 to +50°C) / 20% to 90%, RH non-condensing | |
| Enclosure Type | Metal | |
| Dimensions | need dimensions** | |