The TP-580RXR is an extended range, HDBaseT twisted pair receiver for HDMI, bidirectional RS-232 and IR signals. The TP-580RXR receives an HDBaseT twisted pair signal from the TP-580TXR and converts it back into HDMI, RS-232 and IR signals.

FEATURES

- **Max. Data Rate** - 10.2Gbps (3.4Gbps per graphic channel).
- **HDTV Compatible.**
- **HDCP Compliance.**
- **HDBaseT™ Technology.**
- **HDMI Support** - Deep Color, x.v.Color™, Lip Sync, HDMI Uncompressed Audio Channels, Dolby TrueHD, DTS-HD, CEC.
- **3D Pass-Through.**
- **EDID PassThru** - Passes EDID signals between the source and display.
- **2K & 4K Support.**
- **Bidirectional RS-232 & IR Interface** - Commands and data can flow in both directions via the RS-232 interface, allowing status requests and remote control of the destination unit.
- **System Range** - Up to 130m (430ft) normal mode; up to 180m (590ft) ultra mode (1080p @60Hz @24bpp) when using BC-HDKat6a cables
- **Cable** - For optimum range and performance using HDBaseT™, use Kramer's BC-HDKat6a cable. Note that the transmission range depends on the signal resolution, source and display used. The distance using non-Kramer CAT 6 cable may not reach these ranges.
- **Indicators** - Status LEDs for input, output, link and power.
- **Compact DigiTOOLS®** - 3 units can be rack mounted side-by-side in a 1U rack space with the optional RK-3T universal rack adapter.
### TECHNICAL SPECIFICATIONS

**INPUTS:**
1 HDBaseT twisted pair RJ-45 connector.

**OUTPUTS:**
1 HDMI connector.

**PORTS:**
1 IR on a 3.5mm mini jack, 1 RS-232 on a 9-pin D-sub connector.

**MAX. DATA RATE:**
10.2Gbps (3.4Gbps per graphic channel).

**RS-232 BAUD RATE:**
115200.

**COMPLIANCE WITH HDMI STANDARD:**
Supports HDMI and HDCP.

**POWER CONSUMPTION:**
12V DC, 500mA.

**OPERATING TEMPERATURE:**
0° to 40°C (32° to 104°F).

**STORAGE TEMPERATURE:**
−40° to +70°C (−40° to 158°F).

**HUMIDITY:**
10% to 90%, RHL non-condensing.

**DIMENSIONS:**
12cm x 7.6cm x 2.4cm (4.7” x 3” x 1.0”) W, D, H.

**WEIGHT:**
0.6kg (1.4lbs).

**INCLUDED ACCESSORIES:**
Power supply.

**OPTIONS:**
RK-3T 19” rack mount.