



# KRAMER

## TP-580RXR

4K UHD HDMI, Bidirectional RS-232 & IR over Extended Range HDBaseT Twisted Pair Receiver



The TP-580RXR is a 4K UHD, 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. The device supports resolutions of up to 4K@60 UHD (4:2:0).

## FEATURES

- Resolution Support - Up to 4K@60 UHD (4:2:0).
- 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.
- 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) at normal mode (2K), up to 100m at normal mode (4K); 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.

