



TP-580TXR

HDMI, Bidirectional RS-232 & IR over Extended Range HDBaseT Twisted Pair Transmitter



The TP-580TXR is an extended range, HDBaseT twisted pair transmitter for HDMI, bidirectional RS-232 and IR signals. The TP-580TXR inputs HDMI, RS-232, and IR signals and converts them into an HDBaseT twisted pair signal that it transmits to a TP-580RXR receiver.

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-DGKat623 cables.
- Cable - Requires shielded twisted pair (STP) cable. For optimum range and performance use, use Kramer's BC-DGKat524, BC-DGKat623 and BC-DGKat7a23 cables. Note that the transmission range depends on the signal resolution, graphics card and display used. The distance using non-Kramer CAT 5, CAT 6, and CAT 7 cables 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.



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TECHNICAL SPECIFICATIONS

INPUTS:	1 HDMI connector.
OUTPUTS:	1 HDBaseT twisted pair RJ-45 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, 295mA.
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).
ACCESSORIES:	Power supply.
OPTIONS:	RK-3T 19" rack mount.

