TP-582R

1:2 HDMI Plus Bidirectional RS−232, Ethernet & IR over HDBaseT Twisted Pair Receiver

The TP−582R is a high−quality twisted pair receiver for HDMI, Ethernet 100BaseT, bidirectional RS−232 and IR signals. The TP−582T selects one of two HDMI inputs, and converts it with the Ethernet 100BaseT, RS−232 and IR input signals to an HDBaseT twisted pair signal. The TP−582R converts the HDBaseT twisted pair signal back to Ethernet 100BaseT, RS−232, IR and two HDMI outputs, and de−embeds the audio to S/PDIF and TOSLINK® audio outputs.

FEATURES

- **Max. Data Rate** - 6.75Gbps (2.25Gbps per graphic channel).
- **HDBaseT Technology.**
- **HDTV Compatible.**
- **HDCP Compliance.**
- **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 Interface** - Commands and data can flow in both directions via the RS−232 interface, allowing status requests and control of the destination unit.
- **Ethernet Interface** - Passes 100BaseT.
- **System Range** - Signals of up to 6.75Gbps (up to 1080p@60Hz 36−bit) over a range of up to 130m (430ft) when using BC−HDKat6a cables.
- **Cable** - Requires shielded twisted pair (STP) cable. For optimum range and performance use, use Kramer's BC−DGKat524, BC−DGKat623 and BCP−DGKat724 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. Use only shielded cable where both ends of the shield are soldered to ground.
- **Control** - Front panel.
- **Indicators** - Status LEDs for input selection, output, link and power.
- **Compact MegaTOOLS®** - 2 units can be rack mounted side−by−side in a 1U rack space with the optional RK−T2B universal rack adapter.

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TECHNICAL SPECIFICATIONS

INPUTS:	1 HDBaseT RJ−45 connector.
OUTPUTS:	2 HDMI connectors, 1 IR on a 3.5mm mini jack, 1 Ethernet 100BaseT on an RJ−45 connector, 1 RS−232 on a 9−pin D−sub connector, 1 TOSLINK® optical audio, 1S/PDIF in an RCA connector.
MAX. DATA RATE:	6.75Gbps (2.25Gbps per graphic channel).
COMPLIANCE WITH HDMI STANDARD:	Supports HDMI and HDCP.
POWER CONSUMPTION:	5V DC, 1.55A.
DIMENSIONS:	18.8cm x 11.4cm x 2.4cm (7.4" x 4.5" x 1.0") W, D, H.
WEIGHT:	0.6kg (1.4lbs).
INCLUDED ACCESSORIES:	Power supply.
OPTIONS:	RK−T2B 19" rack mount, Kramer BC−HDKat6a cable.