KRAMER

TP-580R
4K60 4:2:0 HDMI HDCP 2.2 Receiver with
RS232 & IR over LongReach HDBaseT

| HDMI | Ethernet - RJ-45 | HDBaseT
| 4K/60 UHD (4:2:0)

TP580R is a highperformance, longreach HDBaseT receiver for 4K60Hz (4:2:0) HDMI, RS232 and IR signals over twisted pair. It extends video signals to up to 40m (130ft) over CAT copper cables at up to 4K@60Hz (4:2:0) 24bpp video resolution and provides even further reach for lower HD video resolutions

FEATURES

High Performance Standard Extender - Professional HDBaseT extender for providing longreach signals over twistedpair copper infrastructures. TP580R is a standard extender that can be connected to any marketavailable HDBaseTcompliant extension product. For optimum extension reach and performance, use recommended Kramer cables

HDMI Signal Extension - HDMI 2.0 and HDCP 2.2 compliant. Supports deep color, x.v.Color™, lip sync, HDMI uncompressed audio channels, Dolby TrueHD, DTSHD, 2K, 4K, and 3D. EDID and CEC signals are passed through from the source to the display

IEDIDPro™ Kramer Intelligent EDID Processing™ - Intelligent EDID handling, processing and passthrough algorithm that ensures Plug and Play operation for HDMI source and display systems

Multichannel Audio Extension - Up to 32 channels of digital stereo uncompressed signals for supporting studiograde surround sound

Bidirectional RS232 Extension - Serial interface data flows in both directions, allowing data transmission and device control

Bidirectional Infrared Extension - IR interface data flows in both directions, allowing remote control of peripheral devices located at either end of the extended line

Cost-effective Maintenance - Status LED indicators for HDMI and HDBT ports facilitate easy local maintenance and troubleshooting. Local firmware upgrade via RS232 connection and the KUpload tool ensures lasting, fieldproven deployment

Easy Installation - Compact DigiTOOLS™ fanless enclosure for droppedceiling mounting, or sidebyside mounting of 3 units in a 1U rack space with the optional RK3T rack adapter

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TECHNICAL SPECIFICATIONS

INPUTS:	1 HDBT on an RJ45 female connector
OUTPUTS:	1 HDMI on an HDMI connector
PORTS:	1 IR on a 3.5mm mini jack for IR link extension, 1 RS232 on a 9pin Dsub connector for serial link extension and device firmware upgrade
EXTENSION LINE::	HDBaseT 1.0 compliant; Up to 40m (130ft) at 4K @60Hz (4:2:0); up to 70m (230ft) at full HD (1080p @60Hz 36bpp); Note: When using Kramer HDBaseT cables
VIDEO:	Up to 10.2Gbps bandwidth (3.4Gbps per graphic channel) Up to 4K UHD @60Hz (4:2:0) 24bpp resolution HDMI 2.0 and HDCP 2.2 signal compliance
EXTENDED RS-232:	300 to 115200 baud rate
CONTROL RS-232:	115200 baud rate
POWER SOURCE:	12V DC, 2A
POWER CONSUMPTION:	12V DC, 430mA
ENCLOSURE:	DigiTools size, Aluminium type
COOLING:	Convection ventilation
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 noncondensing
PRODUCT DIMENSION:	12.00cm x 7.15cm x 2.44cm (4.72" x 2.81" x 0.96") W, D, H
PRODUCT WEIGHT:	0.2kg (0.4lbs) approx
SHIPPING DIMENSION:	15.70cm x 12.00cm x 8.70cm (6.18" x 4.72" x 3.43") W, D, H
SHIPPING WEIGHT:	0.7kg (1.6lbs) approx
INCLUDED ACCESSORIES:	2 power supplies

TP-580T

CAT 5

HDMI

External
IR
Emitter

IR

RS-232

Laptop

TP-580R

HDMI

RS-232

Projector

External
IR
Sensor

IR