



# KRAMER

## TP-580RD

4K60 4:2:0 DVI HDCP 2.2 Receiver with RS232 & IR over LongReach HDBaseT

| DVI | HDCP Compliant | HDBaseT  
| 4K/60 UHD (4:2:0) | HDCP 2.2 Compatible



TP580RD is a highperformance, longreach HDBaseT receiver for 4K@60Hz (4:2:0) DVI/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. TP580RD is a standard extender that can be connected to any marketavailable HDBaseTcompliant extension product. For optimum extension reach and performance, use recommended Kramer cables

**Secured Operation** - Highlysecured operation is ensured by lockable wiring connectivity with protection against unintentional cables disconnection

**HDMI Signal Extension** - HDMI 2.0 and HDCP 2.2 compliant, via singlelink DVII connection. Supports deep color, x.v.Color™, lip sync, HDMI uncompressed audio channels, Dolby TrueHD, DTSHD, 2K, 4K, and 3D. EDID 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 DVI 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



## TECHNICAL SPECIFICATIONS

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1 HDBaseT	On an RJ45 connector
1 DVI-I/HDMI	On a female DVII connector
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
Compliance	HDBaseT 1.0
Up to 40m (130ft)	At 4K@60Hz (4:2:0) (When using Kramer HDBaseT cables)
Up to 70m (230ft)	At full HD (1080p @60Hz 36bpp) (When using Kramer HDBaseT cables)
Max. Data Rate	10.2Gbps (3.4Gbps per graphic channel)
Max. Supported Resolution	4K@60Hz (4:2:0) 24bpp
Standards Compliance	HDMI 2.0 and HDCP 2.2
Baud Rate	300 to 115200
Baud Rate	115200
Size	DigiTools
Type	Aluminium
PRODUCT DIMENSION:	12.00cm x 7.15cm x 2.44cm (4.72" x 2.81" x 0.96" ) W, D, H
PRODUCT WEIGHT:	0.3kg (0.6lbs) 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 (1.5lbs) approx
Cooling	Convection ventilation
Source	12V DC, 2A
Consumption	12V DC, 275mA
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
Included	Power supply unit
Optional	RK3T rack adapter

