TP-580RD
4K60 4:2:0 DVI HDCP 2.2 Receiver with
RS-232 & IR over Long-Reach HDBaseT

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

TP-580RD is a high-performance, long-reach HDBaseT receiver for 4K@60Hz (4:2:0) DVI/HDMI, RS-232 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 long-reach signals over twisted-pair copper infrastructures. TP-580RD is a standard extender that can be connected to any market-available HDBaseT-compliant extension product. For optimum extension reach and performance, use recommended Kramer cables

Secured Operation - Highly-secured 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 single-link DVI-I connection. Supports deep color, x.v.Color™, lip sync, HDMI uncompressed audio channels, Dolby TrueHD, DTS-HD, 2K, 4K, and 3D. EDID signals are passed through from the source to the display

I-EDIDPro™ Kramer Intelligent EDID Processing™ - Intelligent EDID handling, processing and pass-through algorithm that ensures Plug and Play operation for HDMI source and display systems

Multi-channel Audio Extension - Up to 32 channels of digital stereo uncompressed signals for supporting studio-grade surround sound

Bidirectional RS-232 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 RS-232 connection and the K-Upload tool ensures lasting, field-proven deployment

Easy Installation - Compact DigiTOOLS™ fan-less enclosure for dropped-ceiling mounting, or side-by-side mounting of 3 units in a 1U rack space with the optional RK-3T rack adapter

TECHNICAL SPECIFICATIONS

Inputs	
Outputs	
Ports	
1 RS-232	On a 9-pin D-sub connector for serial link extension and device firmware upgrade
Extension Line	
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)
Video	
Max. Supported Resolution	4K@60Hz (4:2:0) 24bpp
Standards Compliance	HDMI 2.0 and HDCP 2.2
Extended RS-232	
Control RS-232	
Enclosure	
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
Enclosure	
Power	
Consumption	12V DC, 275mA
Environmental Conditions	
Storage Temperature:	-40° to +70°C (-40° to 158°F)
Humidity	10% to 90%, RHL non-condensing
Accessories	
Optional	RK-3T rack adapter

TP-580TD   TP-580RD

Laptop   SL-240C   Display   Display   Control
            with Kramer Remote   System
            Control   Control