TP-583Rxr

4K HDR HDMI Receiver with RS-232 & IR over Extended-Reach HDBaseT

| HDMI | HDBaseT | 4K/60 UHD (4:4:4)

TP-583Rxr is a high-performance, extended-reach HDBaseT receiver for 4K HDR HDMI, RS-232 and IR signals over twisted pair. TP-583Rxr converts the HDBaseT signal and outputs it to its HDMI and control ports. It enables extending video signal up to 100m (330ft) at 4K@60Hz (4:4:4) video resolution, up to 180m (590ft) at 4K@60Hz (4:2:0), and up to 200m (650ft) at HD video resolution over Kramer copper cables. It is compatible with standard HDBaseT-compliant extenders at 4K@30Hz and HD video resolutions

FEATURES

High Performance Standard Extender - Professional HDBaseT extender for providing up to 200m (650ft) extended-reach video signal extension over twisted–pair copper infrastructures. TP–583Rxr is a standard extender with backward HDBT compatibility, enabling it to be connected to any market–available HDBaseT–compliant extension product. It employs low–level video compression technology that delivers visually lossless performance for 4K@60 (4:4:4) and HDR signals with near–zero latency

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

I–EDIDPro™ Kramer Intelligent EDID Processing™ - Intelligent EDID 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 HDMI and HDBT ports facilitate easy local maintenance and troubleshooting. Local firmware upgrade via RS–232 connection 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 recommended rack adapter

TECHNICAL SPECIFICATIONS

Inputs	1 HDBT: On an RJ–45 connector
Outputs	1 HDMI: On a female HDMI connector
Ports	1 RS-232: On a 3–pin terminal block connector for serial link extension
	1 IR: On a 3.5mm mini jack connector
STANDARD COMPRESSION EXTENSION:	Up to 100m (330ft) at 4K@60Hz (4:4:4)
	Up to 100m (330ft) at 4K@60Hz (4:2:0)
	Up to 180m (590ft) at full HD (1080p @60Hz 36bpp)
HIGH COMPRESSION EXTENSION:	Up to 100m (330ft) at 4K@60Hz (4:4:4)
	Up to 180m (590ft) at 4K@60Hz (4:2:0)
	Up to 200m (650ft) at full HD (1080p @60Hz 36bpp)
	Note: When using recommended Kramer cables
	Standards Compliance: HDBaseT 1.0
Video	Max Data Rate: Up to 18Gbps (6Gbps per graphic channel)
	Standard Compression Max Resolution: 4096x2160@60Hz (4:4:4) 24bpp
	High Compression Max Resolution: 3840x2160@60Hz (4:4:4) 24bpp
	Compliance: HDMI 2.0, HDCP 2.2, HDR 10
EXTENDED BIDIRECTIONAL RS-232:	300 to 115200 baud rate
EXTENDED BIDIRECTIONAL IR:	20kHz to 100kHz frequency
User Interface	Indicators: IN, OUT, LINK and ON LEDs
	Controls: DIP–switches
Power	Source: 12V DC, 2A
	Consumption: 600mA
Environmental Conditions	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
Regulatory Compliance (Standards Compliance)	Safety: CE, UL
	Environmental: RoHs, WEEE
Enclosure	Size: DigiTOOLS®
	Type: Aluminum
	Cooling: Convection ventilation

Accessories	Included: Power adapter, power cord, bracket set
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