EXT3-H-POE-R

4K60 4:4:4 HDR HDMI Receiver with bidirectional PoE, RS–232 & IR over Long–Reach HDBaseT

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



EXT3−H−POE−R is a high−performance, long−reach HDBaseT 3.0 receiver for 4K60 4:4:4 HDR HDMI, RS−232 and IR signals over twisted pair. EXT3−H−POE−R converts the HDBaseT 3.0 signal and outputs it to its HDMI and control ports. It enables extending video signals to up to 40m (230ft) over Kramer copper cables at up to 4K@60Hz (4:4:4) video resolutions. It is compatible with standard HDBaseT−compliant extenders at up to 4K@60Hz 4:4:4 video resolutions

FEATURES

- **High Performance Standard Extender** - Professional HDBaseT extender for providing signals over twisted–pair copper infrastructures. Video signals are received uncompressed with near–zero latency
- **PoE powered from either transmitter or receiver unit**
- **Future-proof, Standard Extender** - EXT3−H−POE−R is a standard HDBaseT extender, backwards compatible with other standard HDBT extenders. It extends uncompressed HDBaseT signals
- **Intelligent Compression Handling** - HDR HDCP 2.3 compliant. Supports deep color, x.v.Color™, lip sync, HDMI uncompressed audio channels, Dolby TrueHD, DTS–HD, 2K, 4K, and 3D as specified in HDMI 2.0b. EDID and CEC signals are passed through from the source to the display
- **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 at baud rates up to 115200 bps with no need for pre configuration
- **Bidirectional Infrared Extension** - 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
- **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

Outputs	1 HDMI: On a female HDMI connector
Ports	HDBaseT 3.0: Input port
	1 RS-232: On a 3–pin terminal block connector for serial link extension
	1 IR: On a 3.5mm mini jack connector
Extension Line	Standard Compression Up to 40m (130ft) at 4K@60Hz (4:4:4)
	Up to 70m (230ft) at 4K@30Hz (4:4:4) or full HD (1080p @60Hz 36bpp)
	High Compression Up to 70m (230ft) at 4K@60Hz (4:4:4), 4K@60Hz (4:2:0), or full HD (1080p @60Hz 36bpp)
	Standards Compliance Up to 40m (130ft) at 4K@60Hz (4:2:0)
	Up to 70m (230ft) at full HD (1080p @60Hz 36bpp)
	Standards Compliance HDBaseT 3.0
	Note When using recommended Kramer cables
Video	Max Data Rate: Up to 18Gbps (6Gbps per graphic channel)
	Compliance: HDCP 2.3, HDR 10
	HDMI Support: Deep color, x.v.Color™, lip sync, HDMI uncompressed audio channels, Dolby TrueHD, DTS–HD, 2K, 4K, and 3D as specified in HDMI 2.0b
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: 48V DC
	Consumption: 330mA
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
General	Product Dimensions 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 Dimensions 49.00cm x 18.60cm x 58.80cm (19.29" x 7.32" x 23.15") W, D, H
	Shipping Weight 0.7kg (1.5lbs) approx
Product Dimensions	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 Dimensions	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

