



EXT3-H-R

4K60 4:4:4 HDR HDMI Receiver with RS-232
& IR over Long-Reach HDBaseT

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



EXT3-H-R is a high-performance, HDBaseT 3.0 receiver for 4K60 4:4:4 HDR HDMI, RS-232 and IR signals over twisted pair. EXT3-H-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 (130ft) over Kramer copper CAT 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

Future-proof, Standard Extender - EXT3-H-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: 12V DC, 2A Consumption: 480mA
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 0.2kg (0.5lbs) 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 (1.5lbs) approx

