



## WP-789T

4K60 4:2:0 HDMI 1-Gang PoE Wall-Plate  
Transmitter with RS-232 & IR over  
Long-Reach HDBaseT

| HDMI | HDBaseT | 4K/60 UHD (4:2:0)



WP-789T is a high-performance, long-reach HDBaseT wall-plate transmitter for 4K@60Hz (4:2:0) HDMI and HDCP 2.2 signals over twisted pair. It converts the HDMI input signal into an HDBaseT signal and transmits it to a compatible receiver. It extends video signals to up to 40m (130ft) over Kramer copper cables at up to 4K@60Hz (4:2:0) 24bpp video resolution and provides even further reach for lower HD video resolutions. This wall-plate is powered through PoE (Power over Ethernet) over the twisted pair cable

## FEATURES

**High Performance Transmitter** - Professional HDBaseT transmitter for providing long-reach signals over twisted pair copper infrastructures. WP-789T 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

**Reliable PoE (Power over Ethernet) Powering** - Auto-senses the extension line PoE status, and accepts power from a remote PoE provider such as a PoE matrix, with optional mains powering from connected power adapter

**HDMI Signal Extension** - HDCP 1.4 and 2.2 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 2.0

**EDID Pass-through** - Pass-through algorithm 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

**Cost-Effective Maintenance** - Power and connectivity status LED indicator facilitates easy local maintenance and troubleshooting

**Easy Installation** - Compactly fits into standard US, EU and UK 1-gang in-wall box size, supporting decorative integration with room deployed user interfaces such as electrical switches. Wall-plate installation is fast and cost-effective via a single twisted pair cable, providing both video signal and power (PoE) connections



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## TECHNICAL SPECIFICATIONS

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Inputs	HDMI: On a female HDMI connector  IR: On 2-pin terminal block connectors (Tx-1 or Tx-2 and G) for signal extension over HDBT line
Outputs	HDBT: On a female RJ-45 connector  IR: On 2-pin (Rx (on IR), G) terminal block connectors for emitting signal received from HDBT line
Ports	RS-232: On 3-pin terminal block connectors (G, Rx, Tx) for signal extension over HDBT line  RS-232: On 3-pin terminal block connectors (G, Rx, PROG) for upgrading the FW
Video	Max Bandwidth: 10.2Gbps  Max Resolution: 4K@60 (4:2:0)  Compliance: HDCP 1.4 and 2.2 pass-through, EDID and CEC pass through  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 2.0
Extension Line	Up to 40m (130ft) At 4k@60 (4:2:0)  Up to 70m (230ft) At full HD (1080p@60Hz)
Extended RS-232	Baud Rate: 300 to 115200 baud
Extended IR	Frequency: Wide-range 20kHz to 100kHz modulated or 38kHz fixed
Power	Consumption with Power Adapter: 12V DC, 250mA  Source: 12V DC, 2A with DC head open
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  Environmental: RoHs, WEEE
Enclosure	Type: Aluminum  Cooling: Convection ventilation
Accessories	Included: 1 Power adapter, 1 power cord, installation accessories  Included in the US version: 2 US-D frame sets and faceplates (in black and in white)  Included in the European version: 1 EU white frame, 1 UK white frame, 1 EU/UK white faceplate
Product Dimensions	US: 6.98cm x 3.10cm x 11.43cm (2.75" x 1.22" x 4.50" ) W, D, H  EU: 8.00cm x 3.10cm x 8.00cm (3.15" x 1.22" x 3.15" ) W, D, H

Product Weight US: 0.1kg (0.2lbs) approx

EU: 0.1kg (0.1lbs) approx

Shipping Dimensions US: 23.20cm x 13.60cm x 10.00cm (9.13" x 5.35" x 3.94" ) W, D, H

EU: 23.20cm x 13.60cm x 10.00cm (9.13" x 5.35" x 3.94" ) W, D, H

Shipping Weight US: 0.6kg (1.3lbs) approx

EU: 0.6kg (1.3lbs) approx





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## CONFIGURATIONS

WP-789T/US-D(W/B) US-D-size Wall-Plate Transmitter with White & Black Decora® Design Frame Sets

WP-789T/EU-80/86(W) EU & UK-size Wall-Plate Transmitter, with EU & UK White Frames

