



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



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 |

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| Product Weight | US: 0.1kg (0.1lbs) 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 |





CONFIGURATIONS

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| 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 |

