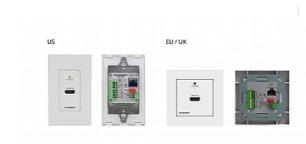


WP-789T

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 2.0 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 transmitter employs high-level video compression technology that delivers visually lossless performance for 4K@60Hz (4:2:0) signals with near-zero latency. It converts the HDMI input signal into an HDBaseT signal and transmits it to a compatible receiver

HDMI Signal Extension - HDMI 2.0 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

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

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: HDMI 2.0, HDCP 1.4 and 2.2 pass-through, EDID and CEC pass

through

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 DIMENSION:

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 US: $23.20 \, \text{cm} \times 13.60 \, \text{cm} \times 10.00 \, \text{cm} = (9.13" \times 5.35" \times 3.94") \, \text{W}, \, \text{D}, \, \text{H}$ DIMENSION:

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

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

