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

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

HDMI

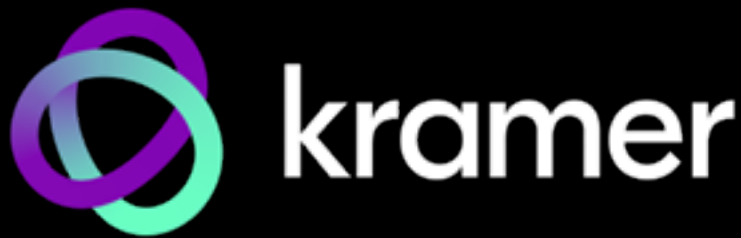|	
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CONFIGURATIONS

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