WP-789R

4K60 4:2:0 HDMI 2Gang PoE WallPlate Receiver with RS232 & IR over LongReach HDBaseT

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

WP789R is a highperformance, longreach HDBaseT wallplate receiver for 4K@60Hz (4:2:0) HDMI and HDCP 2.2 signals over twisted pair. It converts the transmitted HDBaseT signal into an HDMI signal. It extends video signals up to 40m (130ft) over Kramer copper cables at 4K@60Hz (4:2:0) 24bpp video resolution and provides even further reach for lower HD video resolutions. This wallplate is powered through PoE (Power over Ethernet) over the twisted pair cable

FEATURES

- High Performance Receiver - Professional HDBaseT receiver for providing long–reach signals over twisted pair copper infrastructures. WP–789R 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 - Supports HDCP 2.2, 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
- Low Profile Wall-Plate - Designed for elegant, inwall deployment behind a wallmounted flat panel display. Minimizes the depth of the installation, especially when connected with a Kramer rightangle HDMI cable
- Cost–Effective Maintenance - Power and connectivity status LED indicator facilitates easy local maintenance and troubleshooting
- Easy Installation - Fits into standard US, EU and UK 2–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	HDBT: On a female RJ45 connector
Outputs	HDMI: On a female HDMI connector
	IR: On 2pin terminal block connectors (Tx1 or Tx2 and G) for signal extension over HDBT line
Ports	RS-232: On 3pin terminal block connectors (G, Rx, Tx) for signal extension over HDBT line
	RS-232: On 3pin terminal block connectors (G, Rx, PROG) for upgrading the FW
Video	Max Bandwidth: 10.2Gbps
	Max Resolution: 4K@60Hz (4:2:0)
	Compliance: Supports HDCP 2.2, 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@60Hz (4:2:0)
	Up to 70m (230ft) At full HD (1080p@60Hz)
Extended RS-232	Baud Rate: 300 to 115200 baud
Extended IR	Frequency Widerange 20kHz to 100kHz modulated or 38kHz fixed
Power	Source: 12V DC Power Adapter or PoE
	Consumption of Unit with Power Adapter: 500mA
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 noncondensing
Regulatory Compliance (Standards Compliance)	Safety: CE
	Environmental: RoHs, WEEE
Enclosure	Size 2gang
	Type: Aluminum
	Cooling: Convection ventilation
Accessories	Included: 1 Power adapter, 1 power cord, installation accessories
	Included in the US version: 1 USD white frame set and faceplate
	Included in the European version: 1 EU white frame, 1 UK white frame, 1 EU/UK white faceplate
Product Dimensions	US: 11.59cm x 4.70cm x 11.43cm (4.56" x 1.85" x 4.50") W, D, H
Product Weight	US: 0.1kg (0.2lbs) approx
Shipping Dimensions	US: 11.50cm x 4.70cm x 7.00cm (4.53" x 1.85" x 2.76") W, D, H
Shipping Weight	US: 0.7kg (1.5lbs) approx

CONFIGURATIONS

WP-789R/US-D(W)	US–D–size WallPlate Receiver with White Decora® Design Frame
WP-789R/EU-80/86(W)	EU & UK–size WallPlate Receiver, with EU & UK White Frames