WP-SW2-EN7

High-performance, highly-scalable, AVoIP
Wall Plate Encoder for 4K60 4:2:0 HDR10
over 1G network

US   EU / UK

WP-SW2-EN7/US-D(W) is an advanced wall plate encoder for streaming 4K@60Hz (4:2:0) video signals via Ethernet over copper cable

FEATURES

Video Streaming Transmitter - Streams up to 4K@60Hz (4:2:0) resolution signals over a 1G network interface

HDR - Supports HDR10 up to 4K@30Hz 4:2:2 12bits

Streaming Support - Unicast and multicast

Multiple Inputs - One HDMI input and one USB-C input, which support multiple switching policy including Last connected, Priority and Manually

Analog Audio Embedding - Embed the unbalanced analog audio into the streaming and HDMI output signal

Convenient and Comprehensive Control - Control the unit using intuitive web interface, protocol 3000 API commands via Ethernet, or front panel LCD and navigation buttons

Control Gateway - Through P3K or special TCP connection, user can control/communicate with RS232, CEC to the connected devices

PoE Support - Option to power with PoE connection from a PoE switch

TECHNICAL SPECIFICATIONS

Inputs	1 HDMI On a female HDMI connector
	1 USB On a USB-C connector
	1 Audio On a female 3.5mm mini jack
Ports	2 Ethernet On RJ-45 female connectors
	1 RS-232 On a 3-pin terminal block connector
Video	Compression Standard JPEG based, private stream
	Max Resolution 4K@30Hz 4:4:4
Video Streaming	Compression Standard: JPEG2K based, proprietary stream
	Max Input Resolution: 4K@60hz (4:2:0)
	Max Output Resolution: 4K@30hz (4:4:4)
	Max End-to-End Resolution: 4K@30hz (4:4:4) + HDR 10bit
	Scaler: Yes
	End-to-End Latency: 33msec
	Switching Time: 1sec
Audio	Supported Formats LPCM upto 7.1/24-bit/192kHz, Dolby Atmos, Dolby TrueHD, Dolby Digital Plus, Dolby Digital EX, Dolby Digital 5.1, Dolby Digital 2/0 Surround, Dolby Digital 2/0, DTS-HD Master Audio, DTS-HD, DTS-ES Discrete 6.1, DTS-ES Matrix 6.1, DTS Digital Surround 5.1
User Interface	Indicators HDMI, USB and ON LEDs, front panel channel display
	Recessed Buttons CH+, CH- and factory reset button
Power	PoE (Power over Ethernet): 37V to 57V, maximum power consumption 12W
	Optional Power Supply: 20V DC, 6A Max
	Consumption when using Optional Power Supply: 68W (with USB-C charging)
Environmental Conditions	Operating Temperature 0° to +45°C (32° to 113°F)
	Storage Temperature -20° to +70°C (-4° to 158°F)
	Humidity 10% to 90%, RHL non-condensing
Regulatory Compliance (Standards Compliance)	Safety CE, FCC
	Environmental RoHs, WEEE
Enclosure	Size 2 Gang
	Type SGCC (galvanized steel) and PC (polycarbonate)
	Cooling Convection Ventilation
Product Dimensions	US: 12.10cm x 5.10cm x 12.10cm (4.76" x 2.01" x 4.76") W, D, H

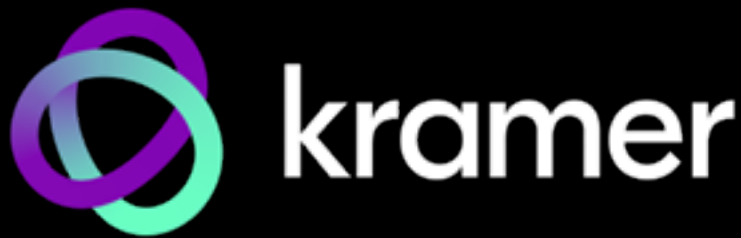|	
	UK: 15.10cm x 4.00cm x 8.60cm (5.94" x 1.57" x 3.39") W, D, H
Product Weight	US: 0.4kg (1.0lbs) approx
	UK: 0.4kg (0.9lbs) approx
Shipping Dimensions	US: 20.00cm x 13.70cm x 7.50cm (7.87" x 5.39" x 2.95") W, D, H
	UK: 23.80cm x 13.70cm x 7.50cm (9.37" x 5.39" x 2.95") W, D, H
Shipping Weight	US: 0.7kg (1.5lbs) approx
	UK: 0.7kg (1.4lbs) approx

CONFIGURATIONS

WP-SW2-EN7/US-D(W)	High−performance, highly scalable, AVoIP Wall Plate Encoder for 4K60 4:2:0, HDR10 over 1G Network, with white Decora® Design Frame Sets
WP-SW2-EN7/EU-D(W)80/86	80/86(W) High−performance, highly scalable, AVoIP Wall Plate Encoder for 4K60 4:2:0, HDR10 over 1G Network, with EU & UK White Frames