WP-EN6 is a 2-gang (US) wall-plate video encoder that provides streaming of 4K@60Hz (4:2:0), HDCP 2.2, HDMI video, IR, RS-232, and USB signals over an IP network in unicast (one-to-one) or multicast (many-to-many) configurations.

**FEATURES**

- **High Resolution Video Streaming** - 4K@60Hz (4:2:0) HDMI with HDCP 2.2 compliance
- **Maximum Compatibility** - Fully standard and compliant JPEG 2000 codec, enables compatibility with other software and hardware encoders. Open encoding enables software decoding through VLC™ player software
- **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 (not included)
- **Standard Ethernet Network Operation** - 10M/100M/1000M
- **Selectable Streaming Mode** - Unicast or multicast through RTSP (Real Time Streaming Protocol)
- **Flexible Video Wall Setups** - 1 to 256 screens
- **Virtualization** - IR, USB, RS–232 over IP
- **Network** - Switch 1G multicast IGMP snooping managed layer 2
- **Easy Installation** - Fits into standard US 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
- 1 HDMI: On an HDMI connector

### Ports
- 1 RS–232: On a 3–pin terminal block connector
- 1 USB: On a USB type–B connector
- 1 IR (Tx): On 3.5mm mini jack
- 1 IR (Rx): On 3.5mm mini jack
- 1 Ethernet (LAN/PoE): On an RJ–45 connector

### General
- **Network:** 10M/100M/1000M
- **Network Switch Requirements:** 1G multicast, IMGP snooping non–blocking, Layer 2
- **Streaming:** Unicast and multicast through RTSP (Real Time Streaming Protocol)
- **IR:** Wide–band 20kHz to 60kHz bidirectional IR transmission
- **Scaling and Cropping:** Built in scaling and cropping for flexible display of source content on the decoder output
- **Bit Rates:** Peak − 850Mbps, 4K average − 350Mbps, 1080p average − 250Mbps

### Video
- **Compression standard:** JPEG 2000
- **Resolutions:** 4096x2160@60Hz, 1920×1200@60Hz, 1920×1080@60Hz, 1864x1050@60Hz, 1856x1392@60Hz, 1792x1344@60Hz, 1728x1080@60Hz, 1704x960@60Hz, 1680x1050@60Hz, 1600×1200@60Hz, 1600x1050@60Hz, 1600×900@60Hz, 1536x960@60Hz, 1440x900@60Hz, 1440x576@60Hz, 1440x480@60Hz, 1400×1050@60Hz, 1366x768@60Hz, 1360×768@60Hz, 1280×1024@60Hz, 1280x960@60Hz, 1280x800@60Hz, 1280×720@60Hz, 1280×1080@60Hz, 1224x768@60Hz, 1152x720@60Hz, 1152×768@60Hz, 1128×600@60Hz, 1024×600@60Hz, 848×480@60Hz, 800×600@60Hz, 720×576@60Hz, 720×480@60Hz, and 640×480@60Hz, 640x350@60Hz
- **Content Protection:** HDCP 2.2

### Audio
- **Channels (HDMI embedded Audio):** PCM 2, 5.1, 7.1 Channel, Dolby Digital 5.1 Channel, Dolby Digital Plus, Dolby Digital True–HD,DTS 5.1 Channel, DTS–ES, DTS–HD High Resolution, DTS–HD Master Audio

### User Interface
- **Controls:** Reset button, channel display
- **Indicators:** Device ID, link and power LEDs

### Power
- **Source:** PoE
- **Consumption:** 400mA max

### Accessories
- **Included:** White Decora® or similar frame set
- **Optional:** 12v external DC power supply

### 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

### Product Dimensions
- **US:** 11.59cm x 5.10cm x 11.43cm (4.56” x 2.01” x 4.50” ) W, D, H

### Product Weight
- **US:** 0.2kg (0.5lbs) approx
Shipping Dimensions  US: 23.20cm x 13.60cm x 10.00cm (9.13" x 5.35" x 3.94") W, D, H

Shipping Weight  US: 0.5kg (1.1lbs) approx