WP-DEC7

High-performance, highly-scalable, AVoIP
Wall Plate Decoder for 4K over 1G network



WP-DEC7 is an advanced decoder for streaming 4K video signals via Ethernet over copper cable

FEATURES

- **Video Streaming Receiver** - Streams up to 4K@60Hz (4:2:0) resolution signals over a 1G network interface
- **Streaming Support** - Unicast and multicast
- **Analog Audio De-Embedding Output** - Extract the HDMI audio or LAN streaming audio and output it as balanced analog audio
- **Convenient and Comprehensive Control** - Control the unit using intuitive embedded web pages, Protocol 3000 API commands via Ethernet or front panel LCD and buttons
- **Control Gateway** - Through P3K or special TCP connection, user could control/communicate with RS232 and CEC to the connected devices
- **Video Wall** - Up to 16x16 size
- **PoE Support** - Option to power with PoE connection from a PoE switch

TECHNICAL SPECIFICATIONS

Outputs	1 HDMI On a female HDMI connector
Ports	2 Ethernet: On RJ−45 connectors
	1 Balanced Audio: On a 5−pin terminal block connector
	1 RS-232: On a 3−pin terminal block connector
Network	Multicast Through RTSP (Real Time Streaming Protocol): IGMP snooping non−blocking, Layer 2
	Unicast Through RTSP (Real Time Streaming Protocol)
	Bitrate Peak: 850Mbps, 4K average: 350Mbps, 1080p average: 250Mbps
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)
	Scaler: Yes
	End-to-End Latency: 33msec
	Switching Time: 1sec
Resolution	4096x2160@60Hz, 1600x1200@60Hz, 1280x960@60Hz, 848x480@60Hz, 3840x2160@60Hz, 1600x900@60Hz, 1280x800@60Hz, 800x600@60Hz, 1920x1200@50Hz, 1440x900@60Hz, 1280x768@60Hz, 720x576@60Hz, 1920x1080@60Hz, 1400x1050@60Hz, 1280x720@60Hz, 720x480@50Hz, 1856x1392@60Hz, 1366x768@60Hz, 1224x768@70Hz, 640x480@60Hz, 1792x1344@60Hz, 1360x768@60Hz, 1152x864@70Hz, 640x400@85Hz, 1680x1050@60Hz, 1024x768@60Hz, 640x350@85Hz
Audio	Supported Formats: LPCM, Dolby and DTS
	LPCM LPCM upto 7.1/24−bit/192kHz
	Dolby Dolby AtmosTM, Dolby TrueHD, Dolby Digital PlusTM, Dolby Digital EX, Dolby Digital 5.1, Dolby Digital 2/0 Surround, Dolby Digital 2/0
	DTS DTS−HD Master AudioTM, DTS−HD, DTS−ES Discrete 6.1, DTS−ES Matrix 6.1, DTS Digital Surround 5.1
Security	HTTPS, 802.1x, OWASP−10
User Interface	Indicators: HDMI and ON LEDs, front panel LCD Display
	Recessed Buttons CH+/CH− and factory reset
	Controls: Embedded web pages, P3K API commands via Ethernet
Power	PoE (Power over Ethernet): 37V to 57V, maximum power consumption 12W
	Optional power supply: 20V DC, 6A Max
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: Metal (SGCC)
	Cooling: Convection ventilation
Product Dimensions	US: 12.10cm x 4.56cm x 12.10cm (4.76" x 1.80" 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 (0.9lbs) 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: 0.6kg (1.3lbs) approx
	UK: 0.7kg (1.4lbs) approx



CONFIGURATIONS

WP-DEC7/US-D(W)	High−performance, highly scalable, AVoIP Wall Plate Decoder for 4K over 1G Network, with white Decora® Design Frame Sets
WP-DEC7/EU(W)-80/86	80/86(W) High−performance, highly scalable, AVoIP Wall Plate Decoder for 4K over 1G Network, with EU & UK White Frames

