

Z3-HE4K-R ULTRA HD DUAL ENCODER & DECODER

APPLICATIONS

Security and Surveillance
Industrial Applications
IP Streaming

ZEUS™ Z3-HE4K-R



VIDEO ENCODING

	Encoder 1	Encoder 2
Interfaces	1x 4K HDMI Input 1x GigE	1x 4K HDMI Input 1x GigE
Supported Resolutions	Each encoder supports H.264 BP, MP and HP in resolutions up to 2160p30 (4K)	
Video Codecs	H.264	
Standard Definition	Standard Definition Encoding for ISDB-T, DVB-H and Others*	
Output Formats	MPEG-2 TS, RTP and TS File	
Video Frame Rates (HD)	29.97p, 30p, 50p, 59.94p and 60p @ 1080p	
Video Frame Rates (UHD)	23.98p, 24p, 25p, 29.97p and 30p @ 2160p	
Features	<ul style="list-style-type: none"> • Supports Unicast and Multicast • Seamless Bitrate and Frame Rate Changes 	

AUDIO ENCODING

Interfaces	Embedded HDMI Audio
Audio Codecs	AAC-LC ADTS and AAC-HE ADTS
Optional Audio Codecs	AAC-LC LATM, AAC-HE LATM, AAC-HE V2, G.711 and PCM
Audio Bitrate	32 to 320 kbps

SPECIFICATIONS

Dimensions	430 x 214 x 43 mm (16.93 x 8.44 x 1.69 in)
Weight	3.06 kg (6.75 lb)

VIDEO DECODING

	Decoder 1	Decoder 2
Interfaces	1x 4K HDMI Output 1x GigE	1x 4K HDMI Output 1x GigE
Supported Resolutions	Each decoder supports H.264 BP, MP and HP in resolutions up to 2160p30 (4K)	
Video Codecs	H.264	
Input Formats	MPEG-2 TS, RTP and TS File	
Video Frame Rates (HD)	29.97p, 30p, 50p, 59.94p and 60p @ 1080p	
Video Frame Rates (UHD)	23.98p, 24p, 25p, 29.97p and 30p @ 2160p	

AUDIO DECODING

Audio Codecs	AAC-LC ADTS and AAC-HE ADTS
Audio Bitrate	32 to 320 kbps

OTHER

Network Management	Device IP, Subnet Mask, Gateway
Additional Interfaces	Encoder 1- 2x USB 2.0, 1x SATA2 and 1x RS-232 Encoder 2- 2x USB 2.0, 1x SATA2 and 1x RS-232
Software Control	HTTP-Based GUI: Configuration and Software Update LCD Panel: Configuration RS-232: Configuration
Power	100-240 VAC 47W Typical Consumption
Temperature and Humidity	Operating: 0 to 40 degrees C at 20-80% Relative Humidity Storage: -10 to 65 degrees C at 20-80% Relative Humidity



*Contact Z3 Technology for Customized Product Options

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