



FOUR 4K ENCODERS/ DECODERS

# H.264

H.264 ENCODING



RACK-MOUNT DESIGN



EASY-TO-USE CONTROLS

### VIDEO ENCODING

	Encoder 1	Encoder 2
Interfaces	1x 4K HDMI Input 1x GigE	1x 4K HDMI Input 1x GigE
	Encoder 3	Encoder 4
	1x 4K HDMI Input 1x GigE	1x 4K HDMI Input 1x GigE
Supported Resolutions	Each encoder supports H.264 video in resolutions up to 2160p30 (4K UHD)	
Video Codecs	H.264	
Output Formats	MPEG-2 TS, RTP and TS File*	
Video Frame Rates (HD)	60p and 60i @ 1080p	
Video Frame Rates (UHD)	23.98p, 24p, 25p, 29.97p and 30p @ 2160p	
Features	<ul style="list-style-type: none"> <li>• Supports Unicast and Multicast</li> <li>• Seamless Bitrate and Frame Rate Changes</li> </ul>	

### VIDEO DECODING

	Decoder 1	Decoder 2
Interfaces	1x 4K HDMI Output 1x GigE	1x 4K HDMI Output 1x GigE
	Decoder 3	Decoder 4
	1x 4K HDMI Output 1x GigE	1x 4K HDMI Output 1x GigE
Supported Resolutions	Each decoder supports H.264 video in resolutions up to 2160p30 (4K UHD)	
Input Formats	MPEG-2 TS, RTP and TS File*	
Video Frame Rates (HD)	60p and 60i @ 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

### 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 410 x 42 mm (16.93 x 16.14 x 1.65 in)
Weight	5.56 kg (12.25 lb)

### OTHER

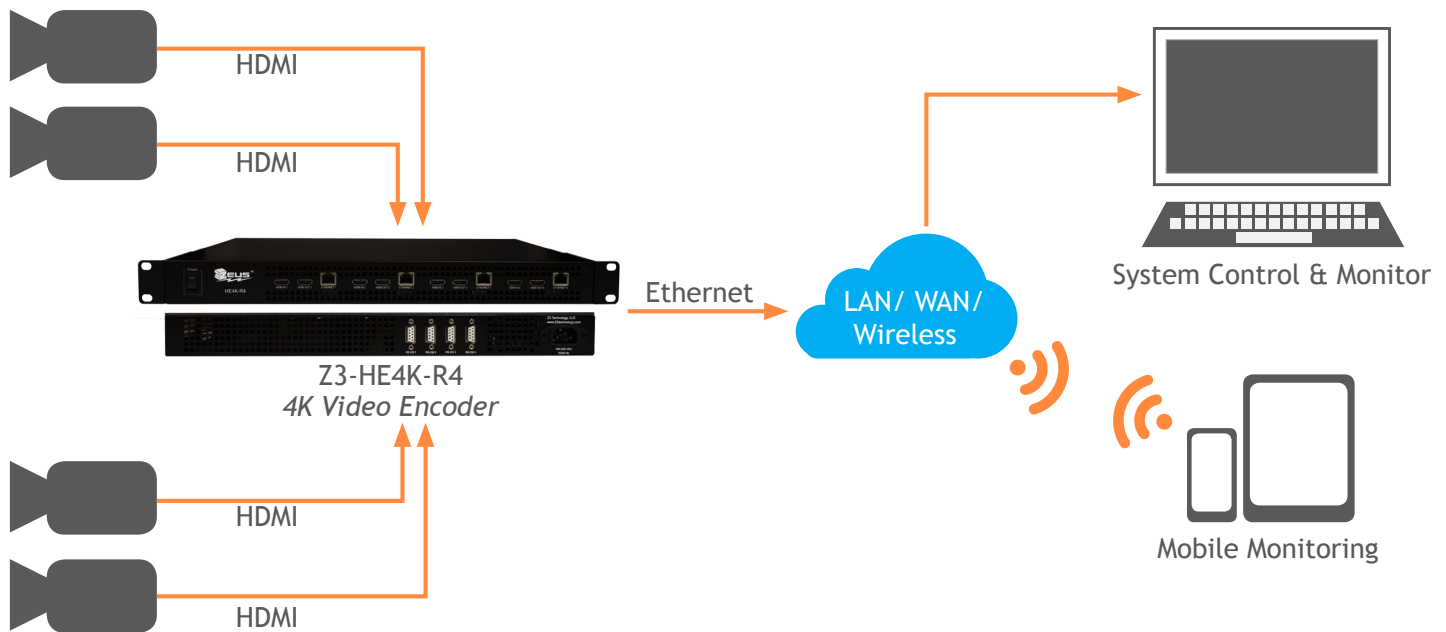
Additional Interfaces	Encoder 1- 1x RS-232 Encoder 2- 1x RS-232 Encoder 3- 1x RS-232 Encoder 4- 1x RS-232
Software Control	HTTP-Based GUI: Configuration and Software Update RS-232: Configuration
Power	100-240 VAC
Temperature and Humidity	Operating: 0 to 40 degrees C at 20-80% Relative Humidity Storage: -10 to 65 degrees C at 20-80% Relative Humidity

# FOUR CHANNEL 4K SECURITY ENCODING

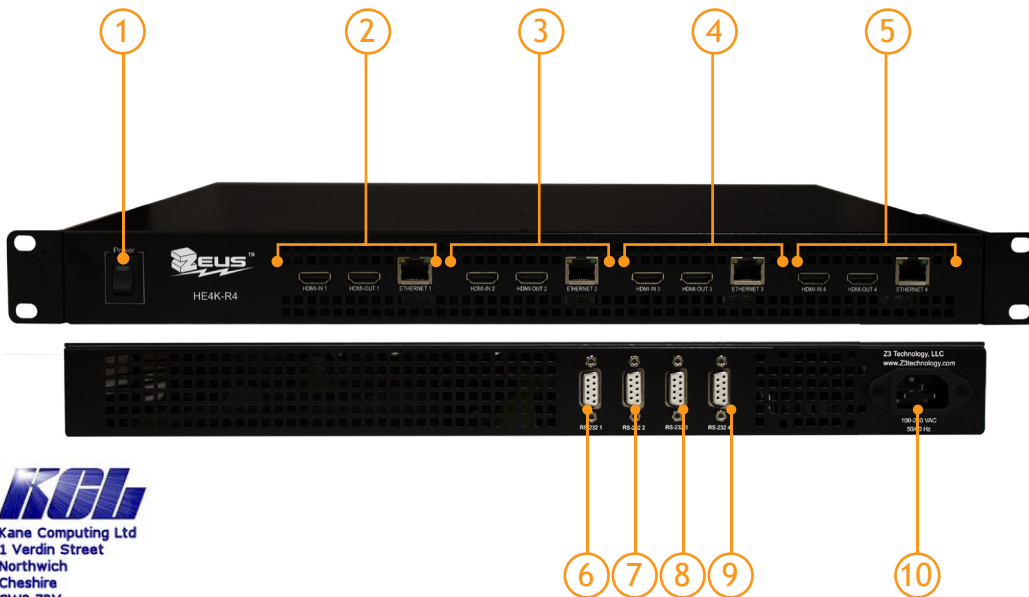
## Z3-HE4K-R4



The diagram below demonstrates a four channel 4K security solution utilizing the Z3-HE4K-R4. Four 4K sources are sending content via HDMI to the Z3-HE4K-R4 where it is encoded and sent over a private LAN/WAN or Wireless network to be made available for decoding and viewing in a control room or on a mobile device connected to the same network.



### OPERATING CONTROLS



- ① Power Switch
- ② Encoder 1  
1x HDMI In, 1x HDMI Out, 1x GigE
- ③ Encoder 2  
1x HDMI In, 1x HDMI Out, 1x GigE
- ④ Encoder 3  
1x HDMI In, 1x HDMI Out, 1x GigE
- ⑤ Encoder 4  
1x HDMI In, 1x HDMI Out, 1x GigE
- ⑥ RS-232 Port 1
- ⑦ RS-232 Port 2
- ⑧ RS-232 Port 3
- ⑨ RS-232 Port 4
- ⑩ 100-240 VAC Power

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