

Z3-MVE-20 H.264 DIGITAL MEDIA ENCODER & DECODER



Z3-MVE-20

APPLICATIONS

Broadcast Encoding
Satellite Uplink
HD Security Server
Industrial Applications
Remote Monitoring

VIDEO ENCODING

	Encoder 1	Encoder 2
Interfaces	1x HD-SDI Input 1x Component Input 1x Composite Input 1x HDMI Input 1x RGB Input 1x ASI Output 1x Ethernet	1x HD-SDI Input 1x Component Input 1x Composite Input 1x HDMI Input 1x RGB Input 1x ASI Output 1x Ethernet
Supported Resolutions	Each encoder supports H.264 BP, MP and HP up to 1080i or 1080p30.	
Video Codecs	H.264 and MPEG-2	
Standard Definition	ISDB-T, DVB-H and others*	
Output Formats	MPEG-2 TS, RTP, RTMP and MPEG-2 over RTP	
Video Frame Rates (SD)	25i, 29.97i and 30i	
Video Frame Rates (HD)	•23.98PsF, 24p, 25p, 30p, 50p and 60p @ 720p •59.94i and 60i @ 1080i	
Features	•Closed Captioning (EIA-608, EIA-708) •Supports Unicast and Multicast •Seamless Bitrate and Frame Rate	

AUDIO ENCODING

Interfaces	Analog Jacks, Embedded HDMI and Embedded SDI Audio
Audio Codecs	AAC-LC ADTS, AAC-LC LATM, PCM and AC-3 Passthrough
Optional Audio Codecs	AAC-HE ADTS, AAC-HE LATM and MP2
Audio Bitrate	32 to 384 kbps

SPECIFICATIONS

Dimensions	430 x 200 x 44 mm (16.93 x 7.87 x 1.73 in)
Weight	2.72 kg (5.99 lb)
Rack Mount	Yes

VIDEO DECODING

	Decoder 1	Decoder 2
Interfaces	1x ASI Input 1x HD-SDI Output 1x Ethernet	1x ASI Input 1x HD-SDI Output 1x Ethernet
Supported Resolutions	Each decoder each supports H.264 BP, MP and HP up to 1080i or 1080p30 when used with MVE-20, MVE-02, DME-01 or the MVPR-01. Up to 720p30 when used with other encoders	
Input Formats	MPEG-2 TS, RTP, RTSP and MPEG-2 TS over RTP	
Video Frame Rates (SD)	25i, 29.97i and 30i	
Video Frame Rates (HD)	•24p, 25p, 30p, 50p and 60p @ 720p •59.94i and 60i @ 1080i	

AUDIO DECODING

Audio Codecs	AAC-LC ADTS and AAC-LC LATM
Audio Bit Rate	32 to 384 kbps

OTHER

Network Management	Device IP, Subnet Mask, Gateway
Additional Interfaces	USB 2.0, SD Cards and RS-232
Software Control	HTTP-Based GUI: Configuration and Software Update SD Card: Software Update RS-232: Configuration
Power	100-240 VAC External Power Supply 15W Typical Power Consumption for Dual Channel Encoding
Temperature and Humidity	Operating: 0 to 45 Degrees C at 20-80% Relative Humidity Storage: -40 to 70 Degrees C at 20-80% Relative Humidity

*Contact Z³ Technology for Customized Product Options



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