Z3-MVE-10
H.264 HD VIDEO ENCODER AND DECODER

MVE-10
Multi-Format Video Encoder

Z3 Technology, LLC
www.Z3technology.com

ZEUS™ Z3-MVE-10

APPLICATIONS

Broadcast Encoding

IP Streaming

VIDEO ENCODING

Interfaces	1x HD-SDI Input 1x Component Input 1x Composite Input 1x HDMI Input 1x RGB Input 1x ASI Output 1x Ethernet
Supported Resolutions	H.264 BP, MP and HP up to 1080i or 1080p30.
Video Codecs	H.264 and MPEG-2
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)	•23.98p, 24p, 25p, 30p, 50p and 60p @ 720p •59.94i and 60i @ 1080i
Features	•Standard Definition Encoding for ISDB-T, DVB-H and others •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 194 x 44 mm (16.93 x 7.64 x 1.73 in)
Weight	2.35 kg (5.30 lb)
Rack Mount	Yes

VIDEO DECODING

Interfaces	1x ASI Input 1x HD-SDI Output 1x Ethernet
Supported Resolutions	H.264 BP, MP and HP up to 1080i or 1080p30 when used with the MVE-10, 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 Bitrate	32 to 384 kbps

OTHER

Network Management	Device IP, Subnet Mask, Gateway
Additional Interfaces	USB 2.0, SD Card and RS-232
Software Control	HTTP-Based GUI: Configuration and Software Update SD Card: Software Update RS-232: Configuration
Power	100-240 VAC 5W Typical Power Consumption
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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HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE