

Z3-MVE-02

H.264 DIGITAL MEDIA ENCODER & DECODER



Z3-MVE-02



- ### APPLICATIONS
- Broadcast Encoding
 - Satellite Uplink
 - HD Security Server
 - Industrial Applications
 - Remote Monitoring

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
Standard Definition	ISDB-T, DVB-H and others*
Output Formats	MPEG-2 TS, RTP and MPEG-2 TS 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 Changes

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	203 x 114 x 41 mm (7.99 x 4.49 x 1.61 in)
Weight	682 g (1.50 lb)

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 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 Card and RS-232
Software Control	HTTP-Based GUI: Configuration and Software Update SD Card: Software Update RS-232: Configuration
Power	12V External Power Supply Low Power Consumption, 4W Typical
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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