

# Z3-MVE-10

## H.264 HD VIDEO ENCODER AND DECODER

### APPLICATIONS

Broadcast Encoding  
IP Streaming

## ZEUS™ Z3-MVE-10

### VIDEO ENCODING

|                        |  |
|------------------------|--|
| Interfaces             | 1x HD-SDI Input<br>1x Component Input<br>1x Composite Input<br>1x HDMI Input<br>1x RGB Input<br>1x ASI Output<br>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<br>•59.94i and 60i @ 1080i  |
| Features               | •Standard Definition Encoding for ISDB-T, DVB-H and others<br>•Closed Captioning (EIA-608, EIA-708)<br>•Supports Unicast and Multicast<br>•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<br>1x HD-SDI Output<br>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<br>•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<br>SD Card: Software Update<br>RS-232: Configuration               |
| Power                    | 100-240 VAC<br>5W Typical Power Consumption  |
| Temperature and Humidity | Operating: 0 to 45 Degrees C at 20-80% Relative Humidity<br>Storage: -40 to 70 Degrees C at 20-80% Relative Humidity |

\*Contact Kane Computing for Customized Product Options



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