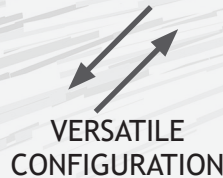


HD RESOLUTIONS



### VIDEO ENCODING

Interfaces	4- 3G-SDI Input 2- HDMI Input 2- ASI Output 2- GigE
Supported Resolutions	Each encoder supports H.264 encode in resolutions up to 1080p60
Video Codecs	H.264
Output Formats	MPEG-2 TS, RTP, RTMP, TSRTMP, MPTS* and TS File
Video Frame Rates (SD)	25i, 29.97i and 30i
Video Frame Rates (HD)	24p, 25p, 30p, 50p, 59.94i, 60i and 60p
Features	<ul style="list-style-type: none"> <li>•Optional upgrade for Pro-MPEG FEC + Zixi Feeder<sup>TM</sup> and Zixi Receiver<sup>TM</sup> Support</li> <li>•Standard Definition Encoding for ISDB-T, DVB-H and Others*</li> <li>•Supports Unicast and Multicast</li> <li>•Custom Video Bitrate, GOP and VBV Size</li> </ul>

### AUDIO ENCODING

Interfaces	Embedded HDMI and Embedded SDI 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 215 x 44 mm (16.93 x 8.46 x 1.72 in)
Weight	2.99 kg (6.59 lb)

### VIDEO DECODING

Interfaces	2- ASI Input 4- 3G-SDI Output 2- HDMI Output 2- GigE
Supported Resolutions	Each decoder supports H.264 decode in resolutions up to 1080p60
Video Codecs	H.264
Input Formats	MPEG-2 TS, RTP and TS File
Video Frame Rates (SD)	25i, 29.97i and 30i
Video Frame Rates (HD)	24p, 25p, 30p, 50p, 59.94i, 60i and 60p

### AUDIO DECODING

Audio Codecs	AAC-LC ADTS and AAC-HE ADTS
Audio Bitrate	32 to 320 kbps

### OTHER

Network Management	Device IP, Subnet Mask, Gateway
Additional Interfaces	4x USB 2.0 and 2x 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

\*Contact Z3 Technology for Customized Product Options



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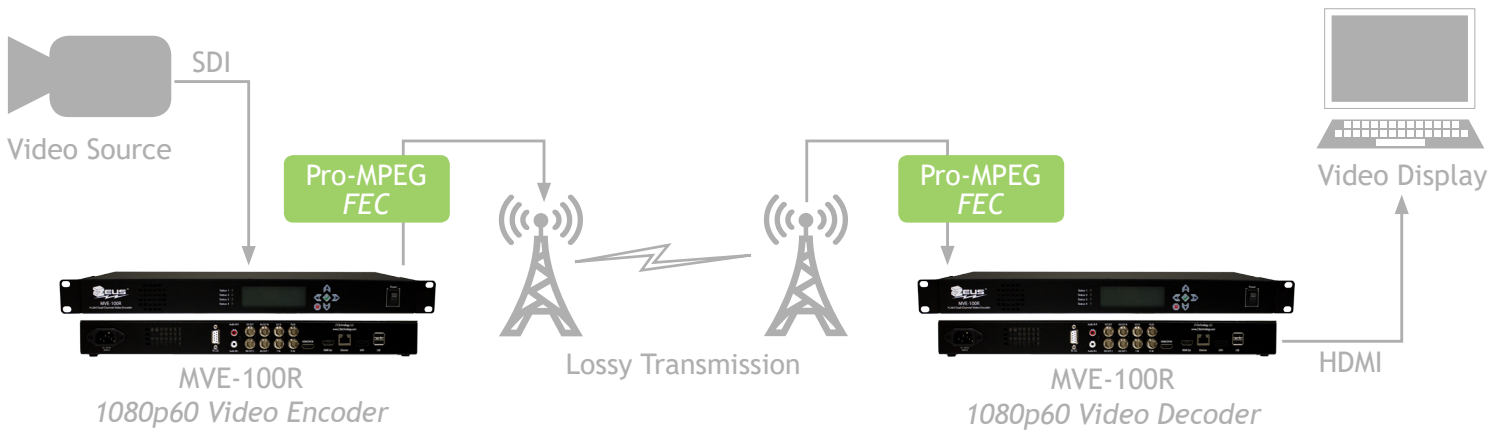
# FEC VIDEO STREAMING

## Z3-MVE-100R



Broadcasting ■ IP Streaming ■ Security and Surveillance ■ Remote Monitoring

The MVE-100R features Forward Error Correction (FEC) technology. This feature is especially helpful when streaming video over a lossy network. The diagram below illustrates a video source sending content via SDI to our MVE-100R. The SDI source is then encoded using H.264, after which the Pro-MPEG algorithm is applied to the encoded bit stream. The FEC coded bit stream is then sent over a lossy wireless network and received by another MVE-100R equipped with Pro-MPEG to correct network errors, decode H.264, and then present to a display for viewing.



## OPERATING CONTROLS

- ① Status LEDs
- ② LCD Display Panel
- ③ LCD Panel Controls
- ④ Power Switch
- ⑤ 100-240 VAC Power
- ⑥ RS-232
- ⑦ Analog Stereo
- ⑧ (Top to Bottom) -SDI Output, ASI Output
- ⑨ (Top to Bottom) -ASI/SDI Input, ASI Output
- ⑩ (Top to Bottom) -SDI Input, Y Input
- ⑪ (Top to Bottom) -Pb Input, Pr Input
- ⑫ HDMI/DVI Input
- ⑬ HDMI Output
- ⑭ GigE
- ⑮ SATA2
- ⑯ 2x USB 2.0

\*Contact Z<sup>3</sup> Technology for Customized Product Options



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