



**MULTI-CHANNEL
ENCODING**



CLOSED CAPTIONING



EASY-TO-USE CONTROLS



RACK-MOUNT DESIGN

VIDEO ENCODING

Interfaces	4- HD-SDI Inputs 4- HD-SDI Outputs (Loopback) 1- ASI Output 1- GigE
Supported Resolutions	H.264 BP, MP and HP Encoding of SD and HD resolutions up to 4x 1080i
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 and 60i
Features	<ul style="list-style-type: none"> •Closed Captioning (EIA-708) •Combine Different Channels into One Stream •Resolution Resizing for Each Individual Channel •Standard Definition Encoding for ISDB-T, DVB-H and Others* •Supports Unicast and Multicast •Seamless Bitrate and Frame Rate Changes

OTHER

Network Management	Device IP, Subnet Mask, Gateway
Additional Interfaces	USB 2.0 and 2x RS-232
Software Control	HTTP-Based GUI: Configuration and Software Update LCD Panel: Configuration RS-232: Configuration
Power	100-240 VAC 18W Typical Power Consumption for Dual Channel Encoding
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

SPECIFICATIONS

Dimensions	430 x 200 x 46 mm (16.93 x 7.87 x 1.81 in)
Weight	2.96 kg (6.52 lb)

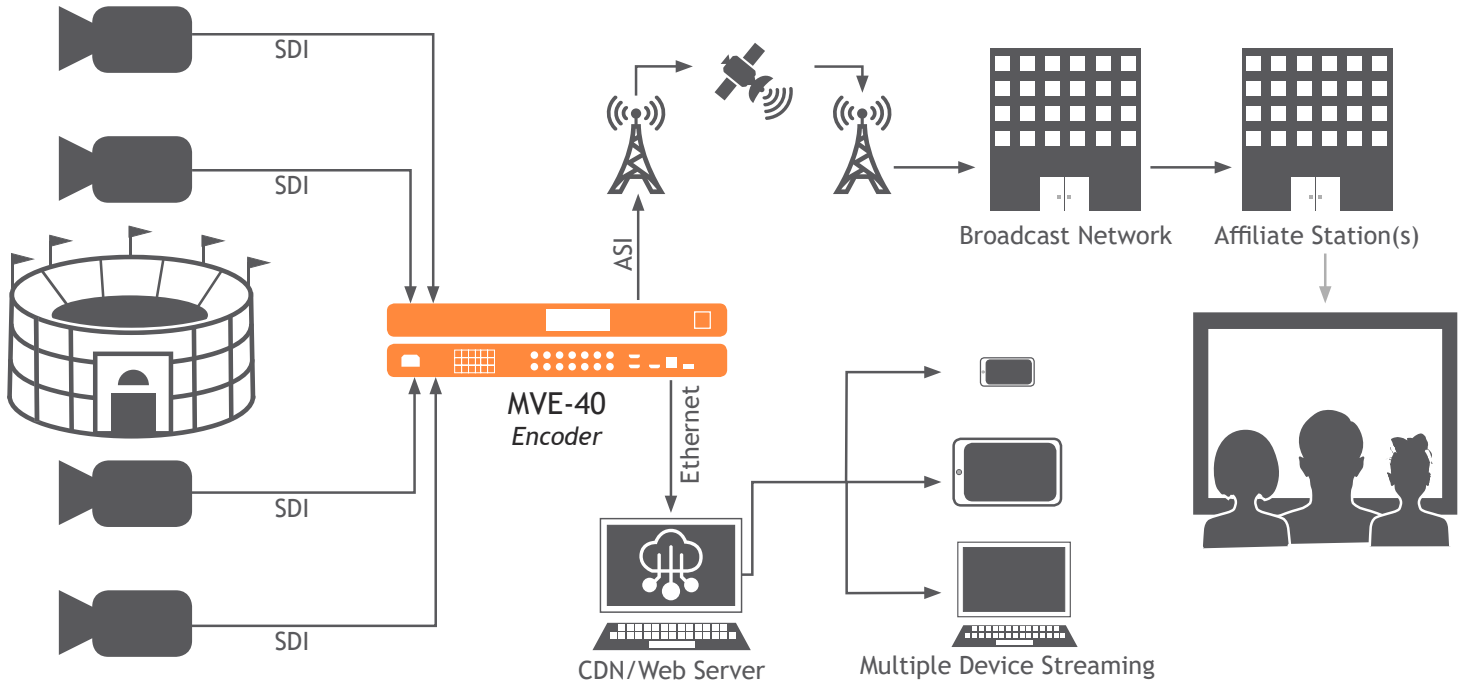
AUDIO ENCODING

Interfaces	Embedded SDI Audio
Audio Codecs	AAC-LC ADTS
Optional Audio Codecs*	AAC-LC LATM, AAC-HE LATM, AAC-HE ADTS, AAC-HE V2, G.711 and PCM
Audio Bitrate	96 to 320 kbps

MULTI-CHANNEL ENCODING WITH THE Z3-MVE-40



In the diagram below, the MVE-40 is receiving content from four SDI sources and utilizing ASI to send the information over an established network. From here, the Broadcast Network can decode and make the content readily available for Affiliate Station(s) and consumer viewing. With the flexibility of the MVE-40, users can also send one of the channels over Ethernet to a CDN or Web Server for viewing on mobile, tablet and desktop devices.



OPERATING CONTROLS

- ① Status LEDs
- ② LCD Display Panel
- ③ LCD Panel Controls
- ④ Power Switch
- ⑤ 100-240 VAC Power Supply
- ⑥ ASI Output 1, ASI Output 2
- ⑦ ASI Input 1, ASI Input Loop
- ⑧ SDI Output
- ⑨ SDI Input 1, SDI 1 Loop
- ⑩ SDI Input 2, SDI 2 Loop
- ⑪ SDI Input 3, SDI 3 Loop
- ⑫ SDI Input 4, SDI 4 Loop
- ⑬ HDMI Input* HDMI Output*
- ⑭ HDMI Output 2*
- ⑮ GigE
- ⑯ USB 2.0
- ⑰ 2x RS-232

*Contact Z³ Technology for Customized Product Options



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