

HD RESOLUTIONS

# FEC

FORWARD ERROR CORRECTION



SOCIAL STREAMING



EASY-TO-USE CONTROLS

### VIDEO ENCODING

Interfaces	1x Composite Input 1x HDMI Input 1x GigE
Supported Resolutions	H.264 BP, MP and HP up to 1080p60, Dual Channel encode of up to 1x 1080i + 1x 480i
Video Codecs	H.264
Standard Definition	ISDB-T, DVB-H and others*
Output Formats	MPEG-2 TS, RTP, RTSP, RTMP, TSRTSP, MPTS and TSFile
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>• Supports YouTube/Facebook Live</li> <li>• Closed Captioning (EIA-608, EIA-708)</li> <li>• Supports unicast and multicast</li> <li>• Stream one source into multiple resolutions and bitrates</li> <li>• High quality deinterlacer</li> </ul>

### AUDIO ENCODING

Interfaces	Embedded HDMI 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	12 to 320 kbps

### SPECIFICATIONS

Dimensions	98 x 81 x 21 mm (3.88 x 3.19 x 0.81 in)
Weight	221 g (0.49 lb)

### VIDEO DECODING

Interfaces	1x HDMI Output 1x GigE
Supported Resolutions	H.264 BP, MP and HP up to 1080p60
Video Codecs	H.264
Input Formats	MPEG-2 TS, RTP, TSRTSP and TSFile
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>• Pro-MPEG Forward Error Correction (FEC) for decode</li> </ul>

### AUDIO DECODING

Audio Codecs	AAC-LC ADTS and AAC-HE ADTS
Audio Bitrate	12 to 384 kbps

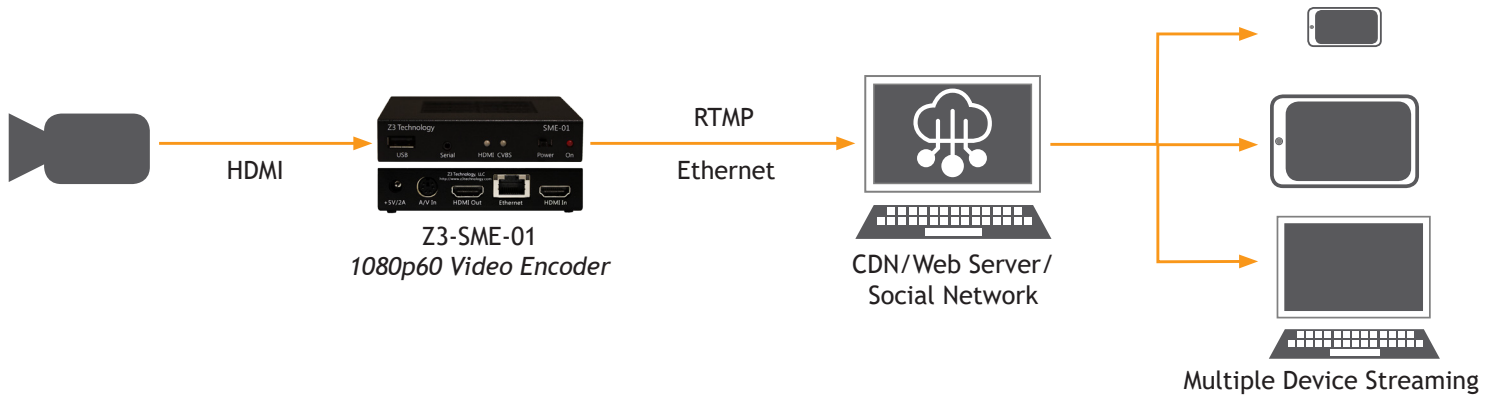
### OTHER

Network Management	Device IP, Subnet Mask, Gateway
Additional Interfaces	USB 2.0 and RS-232 Serial
Software Control	HTTP-Based GUI: Configuration and Software Update RS-232: Configuration
Power	5V External Power Supply
Temperature and Humidity	Low Power Consumption, 5W Typical Operating: 0 to 50 degrees C at 20-80% Relative Humidity Storage: -40 to 70 degrees C at 20-80% Relative Humidity

# IP VIDEO STREAMING WITH THE Z3-SME-01



The ZEUS Z3-SME-01 offers the ideal solution for streaming your live event. The diagram below demonstrates the Z3-SME-01 encoding 1080p60 video from HDMI and sending it out over Ethernet via RTMP to a CDN or Web Server, such as Wowza Streaming Engine™, or social network, including YouTube Live, where it is distributed for viewing on mobile, tablet and desktop devices.



## OPERATING CONTROLS



- ① USB 2.0
- ② RS-232 Serial Port
- ③ Status LEDs
- ④ Power Switch
- ⑤ 5V 2A Power
- ⑥ Composite Input
- ⑦ HDMI Output
- ⑧ Ethernet
- ⑨ HDMI Input

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



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