

# Z-IP Encode 004/008

## Product Specifications



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### Product Description

The Z-IP Encode 004/008 Encoder/Modulator simultaneously provides QAM, IP, and ASI output streams making it ideal for any Commercial RF or IP Network integration. The high quality HD design allows for watching action packed movies and sports channels on any HDTV. The Z-IP Encode 004/008 Encoder/Modulator supports a variety of DTV standards. The Dolby® Digital Encoding capabilities rounds out this feature rich product. This space saving design delivers up to 8 High Quality HD/SD QAM/IP/ASI channels in a single 1RU space.

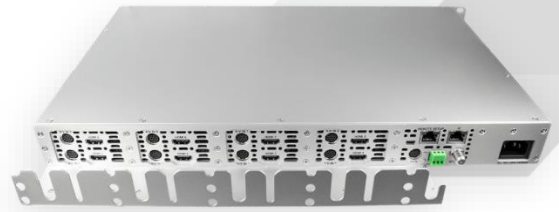
### Key Features

- ✦ High Resolution up to 1080i/1080p
- ✦ 3 VCN Modes available
- ✦ HDMI (unencrypted), Component / Composite via DIN cable.
- ✦ MPEG2 or H.264 (AVC) Video (Selectable) Output
- ✦ >+40dB MER
- ✦ Individual IP Stream Enable / Disable Control
- ✦ Closed Captioning Support
- ✦ EAS Functionality
- ✦ Rack mountable 1RU height
- ✦ +45dBmV Output

Name	ZBT0050017 (004) / ZBT0050018 (008)
Physical Description	<b>Rack mountable (1RU):</b> 482.7mm x 240mm x 44.4mm (19" x 9.45" x 1.75"), 19" EIA <b>Fan Cooled:</b> Internal <b>Front Panel:</b> LED System Indicators (Power, up to 8 Encoder Status LEDs)
Inputs	<b>HDMI:</b> 1.4v (x8) <b>DIN:</b> Component / Composite via DIN Cable <b>Audio:</b> via DIN or HDMI embedded
IP Output	<b>Type:</b> 1RJ-45, GbE <b>Stream Type:</b> UDP/RTP Unicast, Multicast <b>TS Format:</b> SPTS <b>Stream Control:</b> Enable / Disable Control per Stream
ASI Output	<b>Connection:</b> BNC 75Ω (front-end mounted) <b>Output:</b> MPTS Multiplexed
Video Encoder	<b>Video Codecs:</b> MPEG-2, MPEG-4 (AVC) Selectable <b>Video Resolutions:</b> 1080p (MPEG-4 Only), 1080i, 720p, 576p, 576i, 480p, 480i

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Audio Encoder	<b>Audio Compression:</b> MPEG-1 Layer II, AAC, Dolby Stereo AC-3	
RF QAM Support	<b>Frequency:</b> 57-861 MHz (CH 2-CH 135) <b>RF Channel Output (programs/QAM):</b> 2 programs / QAM <b>QAM:</b> J.83 Annex B <b>Constellation:</b> 256 QAM <b>Bandwidth:</b> 6 MHz <b>RF Level Output:</b> +45dBmV Typical	<b>MER:</b> >42dB (43 dB Typical) <b>Interleaver:</b> Supported (12 presets) <b>Channel Type:</b> STD, HRC, IRC <b>VCN:</b> VCN Auto, VCN Manual, VCN 1-Part <b>Attenuation:</b> 1 – 20dB (1 db Steps) <b>RF Output:</b> "F"- Female 75Ω <b>Closed Captioning Control:</b> Supported
EAS Support	<b>Connection:</b> Dry Contact <b>Audio/Video Input:</b> DIN	
Management / Control	<b>GUI Supported:</b> IE9, FireFox, Chrome, Safari <b>GUI Control:</b> RJ45 10/100 <b>Password Protecte:</b> GUI	