

# **ZvPro800i Series**

1080p Unencrypted HDMI Encoder / Modulator with IP Streaming

ZvPro810i delivers uncompromising digital HD video distribution over your existing coax cabling from HDMI sources, as well as providing simultaneous IP streaming with no performance compromise. This one channel DVB-T/C, MPEG2, Encoder/ Modulator unit allows you to easily distribute content up to 1080p resolution to an unlimited number of displays over and RF network, using the TV's built-in DVB-T/C tuner, or over an IP network to set-top-boxes connected to displays

Manage ZvPro units can be managed locally through the color LCD screen or via an intuitive web-based, management interface — Maestro. Generate a looping signage channel with ZvShow, deliver messages to any screening using the built-in Emergency Alert System. The ZvPro supports AC-3 audio encoding and the included Closed Captioning makes your installation ADA compliant.



### MODELS:

#### ZvPro810i-EU

1 x unencrypted HDMI video input up to 1080i/1080p. MPEG2 DVB-T/C RF and UDP IP stream output.

#### ZvPro820i-EU

2x unencrypted HDMI video input up to 1080i/1080p. MPEG2 DVB-T/C RF and UDP IP stream output.

## **Superior Video Quality**

- Full MPEG-2 implementation
- I, P, and B Frames
- Low latency
- Full motion estimation with a wide search range

### **Extensible Architecture**

- Easy downloadable firmware updates
- Future enhancements provided regularly
- Emergency Alert System (EAS)

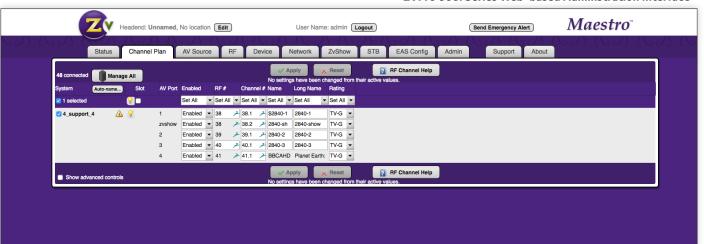
### High Reliability

- Low-stress power system
- Full system instrumentation and monitoring
- Official international regulatory approval
- Forced air cooling for effective thermal control

## **Ease of Management**

- Powerful, highly intuitive web interface
- On-site or remote management
- Configure/manage multiple units from
- Front Panel Display for local management

#### **ZVPro 800i Series Web-based Adminstration Interface**



<b>Power:</b> 100-240 VAC 50/60 Hz, 36W max. 18W Typical IEC 60320-C14	<b>Cooling:</b> Internal cooling fan, front inlet, rear exhaust	<b>Temperature/Humidity:</b> Operating 0 C <sup>o</sup> to +45 C <sup>o</sup> (+32 F <sup>o</sup> to +113 F <sup>o</sup> ) / 10% to 80%, non-condensing	
Vibration: NSTA 1A in carton	<b>MBTF:</b> 62,000 hours	Compliance: FCC Class A, IEC60065, EN61000 (see Manual #70-00047), CE, RoHS	
Enclosure Type: Metal	System Weight: 1.4 kg (3.1 lbs.)		
Shipping Weight: 2.3 kg (5 lbs.)	Mounting: Shelf mount flange or rack ears (ordered separately), 1 RU high  Enclosure Dimensions: 20.32 cm (H) x 25.4 (W) x 4.445 cm (H) 8 in. (H) x 10 in. (W) x 1.7 (H)	Enclosure Dimensions: 20.32 cm (H) x 25.4 cm	
Warranty: 5 Years			
Carton Dimensions (individual): 6.985 cm (H) 35.56	5 cm (W) x 30.48 cm (D) 2.75 in. (H) 14 in. x (W) 12 in.	(D)	
Input			
Unencrypted HDMI x2 or x1: One (1) or two (2) ports per model up to 1080HDMI 1.3 compliant. Backwards compatible to DVI 1.0 specifications	<b>Closed Caption:</b> EIA/CEA-608 captions accepted over composite video input	<b>Extra Digital Channel:</b> MPEG2 program stream file, up to 200 MB	
Audio Input: Digital Audio and Stereo Analog	Digital as element of HDMI 1.3 port or 3.5 mm stereo female, line level input per channel		
Video Encoder			
<b>Encoder Video Profile:</b> MPEG2 HD: ISO13818-2 MainProfile@HighLevel	Traffic Shaping: Variable Bit Rate	Video Encoding Data Rates: Variable, 10 Mbs - 24 Mbs per channel	
<b>Average Encoding Data Rate:</b> 18 Mbs per channel	<b>Encoding Latency:</b> Programmable 200 msec to 400 msec	Color Profile: 4:2:0	
Encoder Audio Profile: ATSC A/52, [AC-3]	Video, Audio PID: Programmable starting value	<b>Program Information:</b> Programmable program name, EIT	
GOP Size: 15			
Modulator/Upverter			
<b>Modulation Types:</b> DVB-T, DVB-C (ITU-T J83 Annex A) (varies by region)	Cable Standard: User defined (varies by region), CCIR	cy agile QAM RF CATV channels 2-135 • 2kHz resolution • +/- 30 ppm accuracy	
	Output Power: +45 dBmV typical		
<b>Spectral Tilt:</b> = 1 dB over 6 MHz typical</td <td>Output Level Adjust: 25 - 45 dBmV in 1dBmV</td>	Output Level Adjust: 25 - 45 dBmV in 1dBmV		
MER: > 38 dB typical	steps		
I/Q Amplitude Imbalance: < 1% typical	IP Stream Output RJ-45 10/100Mb Ethernet connection • Up to 2 SPTS, one for each encoded video strear • UDP unicast or multicast, IPV4 • User programmable destination address / port	n	
Control Setup			
Network Interface	10/100 Mb Ethernet via RJ45 connection IP address via DHCP or set by user HTML/Javascript served web interface for easy configuration Telnet connection for CLI scripting Easy firmware updates All settings saved in NV storage		
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ZeeVee, Inc.,headquartered in Littleton, Mass., and founded in 2007, is a leading global developer of digital technology and products for distributing audio-video content from any source or multiple sources to any number of displays. Manufactured in the U.S. and used primarily in commercial and corporate applications, ZeeVee products are employed worldwide by major organizations in education, government, hospitality, retail, sports, entertainment, broadcasting, healthcare, housing, energy and other industries. For more information visit **www.zeevee.com** 



General