

ZvPro800 Series

1080p Unencrypted HDMI Encoder / Modulator

The ZvPro800 series encoder/modulator delivers uncompromising digital HD video distribution over your existing coax cabling from your component or VGA HD sources. The ZvPro600 series allows you to easily distribute content up to 1080p resolution to an unlimited number of displays, using the TV's built-in QAM tuner, eliminating the need for cumbersome, expensive set-top-boxes or media players at each display.

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 Dolby Digital audio encoding and the included Closed Captioning makes your installation ADA compliant.



MODELS:

ZvPro810-NA ZvPro810-MX*

1 x unencrypted HDMI video input up to 1080i/1080p

ZvPro820-NA ZvPro820-MX*

2 x unencrypted HDMI video input up to 1080i/1080p

*MX version must be ordered for pass-through

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 800 Series Web-based Management Interface

System	Auto-name	Slot	AV Port	Enabled	RF #	Channel #	Name	Long Name	Rating
1 selected									
4 support_4		1	zvshow	Enabled	38	38.1	S2840-1	2840-1	TV-G
		2		Enabled	38	38.2	2840-sh	2840-show	TV-G
		3		Enabled	39	39.1	2840-2	2840-2	TV-G
		4		Enabled	40	40.1	2840-3	2840-3	TV-G
				Enabled	41	41.1	BBCAHD	Planet Earth	TV-G

General		
Power: 100-240 VAC 50/60 Hz, 36W max. 18W Typical IEC 60320-C14	Cooling: Internal cooling fan, front inlet, rear exhaust	Temperature/Humidity: Operating +32 F0 to +113 F0 (0 C0 to +45 C0) / 10% to 80%, non-condensing
Vibration: NSTA 1A in carton	MTBF: 62,000 hours	Compliance: FCC Class A, IEC60065, EN61000 (see Manual #70-00047), CE, RoHS
Enclosure Type: Metal	Mounting: Shelf mount flange or rack ears (ordered separately), 1 RU high	Enclosure Dimensions: 8 in. (H) x 10 in. (W) x 1.75 in. (H) 20.32 cm (H) x 25.4 cm (W) x 4.445 cm (H)
System Weight: 3.1 lbs. (1.4 kg)	Carton Dimensions (individual): 2.75 in. (H) 14 in. x (W) 12 in. (D) 6.985 cm (H) 35.56 cm (W) x 30.48 cm (D)	Warranty: 5 Years
Shipping Weight: 5 lbs. (2.3 kg)		
Input		
Unencrypted HDMI x2 or x1: One (1) or two (2) ports per model up to 1080 HDMI 1.3 compliant. Backwards compatible to DVI 1.0 specifications	Closed Caption: EIA/CEA-608 captions accepted over composite video input	Extra Digital Channel: 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		
Encoder Video Profile: MPEG2 HD: ISO13818-2 MainProfile@HighLevel	Traffic Shaping: Variable Bit Rate	Video Encoding Data Rates: Variable, 10 Mbs - 24 Mbs per channel
Average Encoding Data Rate: 18 Mbs per channel	Encoding Latency: Programmable 200 msec to 400 msec	Color Profile: 4:2:0
Encoder Audio Profile: ATSC A/52, Dolby® Digital (AC-3)	Video, Audio PID: Programmable starting value	Program Information: Programmable program name, EIT
GOP Size: 15		
Modulator/Upverter		
Modulation Types: QAM 256 and 64 (ITU-T J83 Annex B) Interleaving modes: {64,2} only	Cable Standard: HRC, IRC or STD	Frequency Range: Single or one paired, frequency agile QAM RF CATV channels 2-135 <ul style="list-style-type: none"> • 2kHz resolution • +/- 30 ppm accuracy • +/- 35 ppm stability
Output Power: +45 dBmV typical	Output Level Adjust: 25 - 45 dBmV in 1dBmV steps	
I/Q Amplitude Imbalance: < 1% typical	Spectral Tilt: < /= 1 dB over 6 MHz typical	MER: > 38 dB typical
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	
Front Panel Color Display	Quickly obtain status at a glance, basic configurations, software revisions and updates	

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