ZvPro600i Series

Composite/VGA 1080p Encoding/Modulation with IP Streaming

The ZvPro600i series encoder/modulater delivers uncompromising digital HD video distribution over your existing coax cabling from your component or VGA HD sources as well as simultaneous IP streaming with no performance compromise. The ZvPro600i series 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:

ZvPro610i-EU
1 x DIN input for component video/digital and analog audio or VGA video/analog audio up to 1080i/1080p. MPEG-2 MPEG2 DVB-T/C RF and UDP IP stream output.

ZvPro620i-EU
2 x DIN input for component video/digital and analog audio or VGA video/analog audio up to 1080i/1080p. MPEG-2 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

HDb2600 Series Web-based Adminstration Interface

General

Power: 100-240 VAC 50/60 Hz, 60W max. 30W Typical IEC 60320-C14	**Cooling:** Internal cooling fan, front inlet, rear exhaust	**Temperature/Humidity:** Operating 0 C^0 to +45 C^0 (+32 F^0 to +113 F^0) / 10% to 80%, non-condensing
		Enclosure Type: Metal
	MBTF: 62,000 hours	
Compliance: FCC Class A, IEC60065, EN61000 (see manual 70-00031-00), CE, RoHS, RCM C-Tick	**Enclosure Dimensions:** 20.32 cm (H) x 25.4 cm (W) x 4.445 cm (H) 8 in. (H) x 10 in. (W) x 1.75 in. (H)	**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	**Carton Dimensions (individual):** 6.985 cm (H) 35.56 cm (W) x 30.48 cm (D) 2.75 in. (H) 14 in. x (W) 12 in. (D)	**Warranty:** 5 Years
		Vibration: NSTA 1A in carton

Input

Component Video x2 or x1: DIN connector HDbridge end, RCA connectors for HD source up to 1080	**VGA Resolutions Supported:** 640x480, 720x480, 800x600, 1024x768, 1152x864, 1176x664, 1280x720, 1280x768, 1280x800, 1280x960, 1280x1024, 1360x768, 1440x900 at 60 70, 72, 75, 85 Hz. 1680x1050 and 1920x1080 at 60 Hz.	**Closed Caption:** EIA/CEA-608 captions accepted over composite video input
Computer VGA (Analog) x2 or x1: HD-15 connector, 75 Ohm RGB 0 to 0.7V, separate H and V sync		**ZvShow:** Extra digital channel, MPEG2 program stream file, up to 200 MB
Stereo Analog and Digital Audio x4 or x2	Line level input per channel DIN connector HDbridge end, RCA connector or digital SPDIF audio input. 3.5 mm pigtail connector with VGA	

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, (AC-3)	**Video, Audio PID:** Programmable starting value	**Program Information:** Programmable program name, EIT
GOP Size: 16		

Modulator/Upverter

Modulation Types: DVB-T, DVB-C (ITU-T J83 Annex A) (varies by region)	**Cable Standard:** User defined (varies by region), CCIR	**Frequency Range:** Single or one paired, frequency agile QAM RF CATV channels 2-135 • 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**

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