

ZvPro 600 Series

Product Number: ZvPro610-NA

ZvPro610-NA

ZvPro610-NA is an HD video encoder/QAM modulator with one DIN input for Component video/digital and analog audio or VGA video/analog audio up to 1080p. MPEG-2 QAM RF output. Delay match analog audio out for analog audio input. Closed Captions supported on composite input. Includes power supply. Hydra cables and Rack Kits are sold separately. NOTE: These modulators will not work with DirecTV H26K satellite receivers.



What's in the box?

- ZvPro610-NA
- Power Supply

ENTIRE PRODUCT LINE:

ZvPro610-NA	ZvPro620-NA	ZvPro810-NA	ZvPro820-NA
ZvPro610i-NA	ZvPro620i-NA	ZvPro810i-NA	ZvPro820i-NA

ZVPRO RACK KIT:

ZVPRK

ZvPro 600 Series

Product Number: ZvPro610-NA

General Connector		
Power: 100-240 VAC 50/60 Hz, 60W max. 30W Typical IEC 60320-C14	Cooling: Dual internal cooling fans, Front inlet, Rear exhaust MBTF: 62,000 hours	Temperature/Humidity: Operating +32 F0 to +113 F0 (0 C0 to +45 C0) / 10% to 80%, non-condensing
Compliance: FCC Class A, IEC60065, EN61000 (see manual 70-00031-00), CE, RoHS, RCM C-Tick	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)	Enclosure Type: Metal Shipping Weight: 5 lbs. (2.3 kg)
Mounting: The rack ears are sold separately and are not attached.	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 Vibration: NSTA 1A in carton
Input		
Component Video via RCA R/B/G Hydra cable, Din-to-Mini-Din DirecTV H25 cable, or VGA cable.	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. VGA resolutions are broadcast centered in the best vertical fit into 1920x1080p30 or 1280x720p60	Closed Caption: EIA/CEA-608 captions accepted over composite video input ZvShow: Extra digital channel, MPEG2 program stream file, up to 200 MB
Stereo Analog and Digital Audio x2	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)	Line level input per channel via RCA connectors, Mini-Din, or 3.5mm analog audio pigtail with VGA cable. Digital SPDIF audio input via orange RCA connector.
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: 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 • 2kHz resolution • +/- 30 ppm accuracy
Output Power: +45 dBmV typical	Output Level Adjust: 25 - 45 dBmV in 1dBmV steps	
I/Q Amplitude Imbalance: < 1% typical	Spectral Tilt:	MER : > 38 dB typical
Control Setup		
Network Interface	10/100 Mb Ethernet via RJ45 connection. IP address via DHCP(default) or static. Built-in web interface for easy configuration. All settings saved in NV storage.	
Front Panel Color Display	Lets users quickly obtain status at a glance, basic configurations, software revisions, and do updates.	