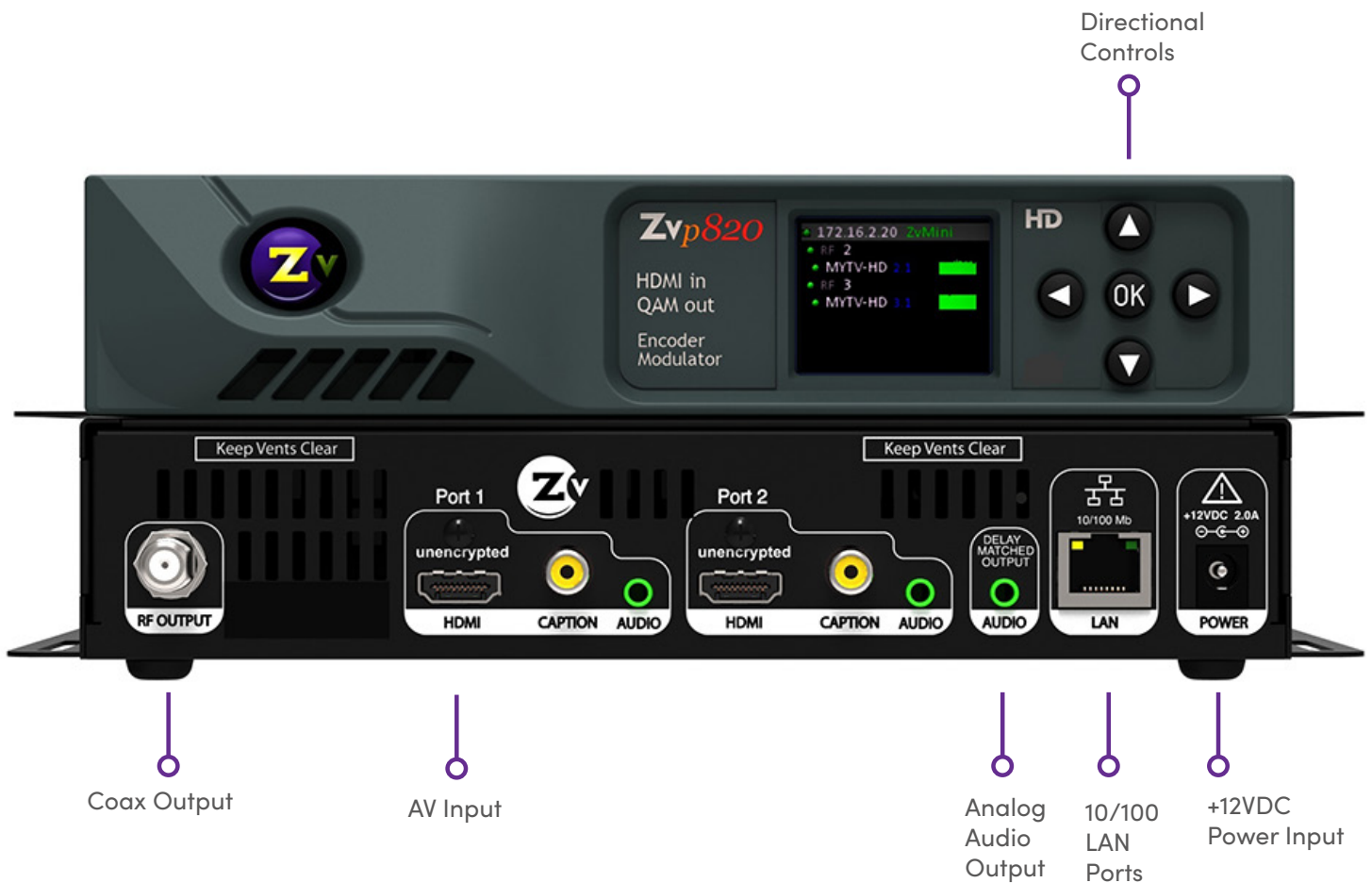


ZvPro 800 Series

Product Number: ZvPro820-NA

ZvPro820-NA

ZvPro820-NA is a HD video encoder/QAM modulator with 2 HDMI inputs up to 1080i/1080p with embedded digital audio or analog audio. MPEG-2 QAM RF output. 1 delay match analog audio output for analog audio input. Closed Captions supported via composite. Includes power supply. Cables and Rack Kit sold separately.



What's in the box?

- ZvPro820-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 800 Series

Product Number: ZvPro820-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. | |