

ZeeVee ZvPro810i-NA 1-Ch HD Video QAM Modulator over COAX 1080p

Model Name	ZvPro I-Series, ZvPro820i / ZvPro810i
Part Number	ZvPro820i-NA / ZvPro810i-NA / ZvPro820i-EU / ZvPro810i-EU
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 F■ to +113 F■ (0 C■ to +45 C■) / 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. (D); 20.32 cm (H) x 25.4 cm (W) x 4.445 cm (D)
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)
Shipping Weight	5 lbs. (2.3 kg)
Warranty	5 years

VIDEO INPUT

Closed Caption	EIA/CEA-608 captions accepted over composite video 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
Extra Digital Channel	MPEG2 program stream file, up to 200 MB

AUDIO INPUT

Stereo Analog And Digital Audio X4 Or X2	Digital as element of HDMI 1.3 port or 3.5 mm stereo female, line level input per channel
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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	4:02:00
GOP Size	15
Video, Audio PID	Programmable starting value
Program Information	Programmable program name, EIT
Encoder Audio Profile	ATSC A/52, Dolby■ Digital (AC-3)

MODULATOR/ UPCONVERTER

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; +/- 35 ppm stability
Output Power	+45 dBmV typical
Output Level Adjust	25 - 45 dBmV in 1dBmV steps
MER	> 38 dB typical
I/Q Amplitude Imbalance	< 1% typical
Spectral Tilt	< / = 1 dB over 8 MHz typical

IP STREAM OUTPUT

Stream Details	RJ-45 10/100Mb Ethernet connection; Up to 2 SPTS, one for each encoded video stream; UDP unicast or multicast, IPV4; User programmable destination address / port
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CONTROL SET-UP

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