ZvPro820i Mini



ZvPro820i Mini is a HD video encoder/QAM/DVB−T/DVB−C modulator with 2 HDMI video inputs up to 1080i/1080p with embedded digital audio. MPEG−2 QAM/DVB−T/DVB−C RF and UDP IP stream output. Includes power supply. Cables and Rack Kit sold separately

TECHNICAL SPECIFICATIONS

General	Power 12V/1A, 5W max
	Compliance FCC Class A, EN62368, CE, RoHS, RCM, C−Tick
	Cooling Fanless design. Passive cooling
	Enclosure Dimensions TBD
	Carton Dimensions (individual) TBD
	Temperature/Humidity Operating +32°F to +113°F (0°C to +45°C) / 10% to80%, non−condensing
	Enclosure Type Metal
	Weight TBD
	Warranty 3 Years
Input	HDMI x2 Resolutions Supported: 1920 x 1080 @60p, 1920 x 1080 @60i, 1920 x 1080 @50p, 1920 x 1080 @50i, 1920 x 1080 @30p, 1920 x 1080 @25p, 1920 x 1080 @24p, 1280 x 720 @60p, 1280 x 720 @50pp
Video Encoder	Encoder Video Profile MPEG2
	Average Encoding Data Rate 18 Mbps per channel
	Encoder Audio Profile MPEG 1 Layer 2, AAC, AC3
	GOP Size 16
	Traffic Shaping Variable Bit Rate
	Audio Sample Rate 32 / 44.1 / 48 KHz
	Video, Audio PID Programmable starting value
	Video Encoding Data Rates Variable, 2 Mbps − 20 Mbps per channel
	Color Profile 4:2:0
	Program Information Programmable program name, EIT
Modulator/Upverter	QAM Cable Standard HRC, IRC or STD
	DVB-T Frequency Range 174–230 MHz (VHF), 470−862 MHz (UHF) 7/8 MHz channel bandwidths
	Output Power Adjustable 15–45 dBmV (45 dBmV typical)
	QAM Frequency Range Single, frequency agile QAM RF CATV channels 2−135 • 2kHz resolution • ± 30 ppm accuracy • ± 35 ppm stability
	DVB-C Frequency Range 110−862 MHz, 8 MHz channel bandwidths

	MER 37− 39 dB typical
	MER ≥36 dB minimum
	I/Q Amplitude Imbalance < 1% typical
	Modulation Types QAM 64/256 (ITU−T J83 Annex B) DVB−T and DVB−C also supported. (Selectable)
IP Streaming	UDP
	MPEG2
	Audio MPEG1−L2, AAC, AC3
Simple Setup	Network Interface 10/100 Mb Ethernet via RJ45 connection. Set IP via DHCP or static (default). Browser−based interface for quick and easy configuration. Easy firmware updates. All settings are persistent

