

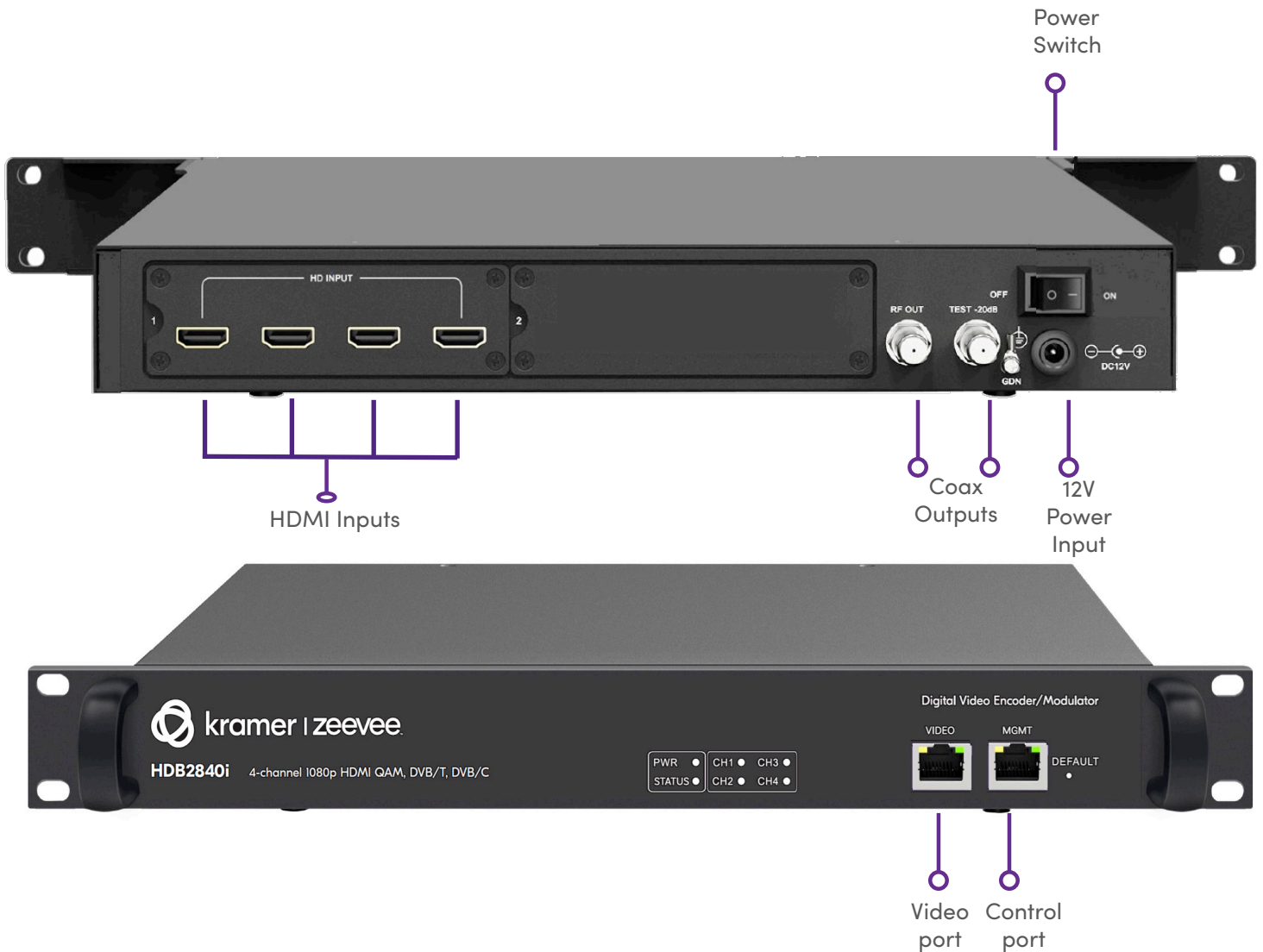
HDbridge Series



Product Number: HDb2840i

HDbridge 2840i

HDb2840i is an HD video encoder/QAM/DVB-T/DVB-C modulator with 4 HDMI inputs up to 1080p/1080i with embedded digital audio. MPEG-2 or H.264 QAM/DVB-T/DVB-C RF and UDP IP Stream output. Rack ears and power supply included. Cables sold separately.



What's in the box

- HDb2840i
- Rack Ears
- Power Supply

OTHER MODELS AVAILABLE:

ZvPro810i Mini

ZvPro820i Mini

HDbridge 2880i

HDbridge Series



Product Number: HDb2840i

General		
Power Supply: 12V/5A Power Use: 36W max	Cooling: Four internal cooling fans, Side inlet, Side exhaust	Temperature/Humidity: Operating +32°F to +113°F (0°C to +45°C) / 10% to 80%, non- condensing
Compliance: FCC Part 15 Subpart B (Class A), EN/ IEC 62368-1, CE , RCM	Dimensions: (Not including brackets) 1.73 in. (H) x 12.5 in. (W) x 9.50 in. (D) 44 mm (H) x 317 mm (W) x 241 mm (D)	Enclosure Type: Metal Unit Weight: 5.3 lbs. (2.40 kg) Shipping Weight: 7.8 lbs. (3.55 kg)
Mounting: Rack ears shipped attached, 1RU high	Carton Dimensions (individual): 4.1 in. (H) x 18.5 in. (W) x 12.2 in. (D) 104 mm (H) x 470 mm (W) x 311 mm (D)	Warranty: 3 Years
Input		
HDMI x4	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 @50p	
Video Encoder		
Encoder Video Profile: MPEG2 or H.264	Traffic Shaping: Variable Bit Rate	Video Encoding Data Rates: Variable MPEG2: 8 - 20 Mbps per channel H.264: 5 - 20 Mbps per channel
Average Encoding Data Rate: 18 Mbps per channel (MPEG2)	Audio Sample Rate 32 / 44.1 / 48 kHz Color Profile: 4:2:0	
Encoder Audio Profile: MPEG 1 Layer 2, AAC, AC3	Video, Audio PID: Programmable starting value	Program Information: Programmable program name, EIT
GOP Size: 16		
Modulator/Upverter		
QAM Cable Standard: HRC, IRC or STD	QAM Frequency Range: Single, frequency agile QAM RF CATV channels 2-135 • 2kHz resolution • ± 30 ppm accuracy • ± 35 ppm stability	Modulation Types: QAM 64/256 (ITU-T J83 Annex B) DVB-T and DVB-C also supported. (Selectable)
DVB-T Frequency Range: 470-862 MHz (UHF) 7/8 MHz channel bandwidths	DVB-C Frequency Range: 470-862 MHz, 8 MHz channel bandwidths	
Output Power: +45 dBmV typical	Output Level Adjust: 25 - 45 dBmV in 0.5 dB steps (Adjustment is for groups of 4 signals)	MER: 34- 36 dB typical MER: ≥33 dB minimum I/Q Amplitude Imbalance: < 1% typical
IP Streaming		
UDP	MPEG2 or H.264 (Must be same as RF modulation selection)	Audio: MPEG1-L2, AAC, AC3
Simple Setup		
Network Interface	10/100 Mbps Ethernet via RJ45 connection Set IP via static (Default 192.168.1.30 / 24) Browser-based interface for quick and easy configuration Easy firmware updates All settings are persistent	