

HDbridge Series

Product Number: HDb2312-NA

HDbridge 2312-NA

HDb2312-NA is a SD video encoder/QAM modulator with 12 composite video/analog 3.5mm audio inputs, MPEG-2 QAM RF output via 12 digital channels using 4 QAM RF frequencies, 1 delay match analog audio output. Supports Closed Captions. Rack ears and power cord included. No ZvShow.



Color LED
Screen

Directional
Controls



Coax Output

AV Ports

10/100
LAN Ports

AC Power
Input

What's in the box?

- HDb2312-NA
- Rack Ears
- Power Cord

ENTIRE PRODUCT LINE:

HDb2312-NA

HDb2520-DT

HDb2620-NA

HDb2640-EU

HDb2920-NA

HDb2312-EU

HDb2540-NA

HDb2620-EU

HDb2640-DT

HDb2920i-NA

HDb2520-NA

HDb2540-EU

HDb2620-DT

HDb2840-NA

HDb2520-EU

HDb2540-DT

HDb2640-NA

HDb2840-EU

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General		
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: 1.72 in. (H) x 17.33 in. (W) (without rack mount ears) x 9.9 in. (D) 43.6 mm (H) x 440.2 mm (W) x 251.5 mm (D)	Enclosure Type: Metal Shipping Weight: 7.88 lbs. (3.58 kg) 3.58 kg (7.88 lbs.)
Mounting: Rack ears shipped attached, 1RU high	Carton Dimensions (individual): 4.25 in. (H) 30.875 in. W 12.125 in (D) 108 mm (H) 785 (mm) W 308 (mm) (D)	Warranty: 5 Years Vibration: NSTA 1A in carton
Input		
Composite Video x12	VGA Resolutions Supported: 640x480 1176x664 720x480 1280x720 800x600 1280x768 1024x768 1280x800 1152x864 1280x960	Closed Caption: EIA/CEA-608 captions accepted over composite video input Extra Digital Channel: MPEG2 Program stream file, up to 200 MB
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 <ul style="list-style-type: none"> • 2kHz resolution • +/- 30 ppm accuracy • +/- 35 ppm stability
Output Power: +45 dBmV typical	Output Level Adjust: 25 - 45 dBmV in 1dBmV steps	
I/Q Amplitude Imbalance: < 1% typical	I/Q Amplitude Imbalance: < 1% typical	MER : > 38 dB typical
Control Setup		
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	