



HDb2620-NA



HDb2620-NA is an HD video encoder/QAM modulator with two DIN inputs for up to 1080p Component video/digital and analog audio or VGA video/analog audio. MPEG-2 QAM RF output. Closed Captions supported on composite input. Includes two Hydra 3-foot component breakout cables, rack ears, and a power cord. VGA cables are sold separately. NOTE: These modulators will not work with DirecTV H26K satellite receivers

FEATURES

- RF Modulation
- Two DIN inputs
- 1080p
- MPEG2-QAM RF output
- ZVShow



TECHNICAL SPECIFICATIONS

General	Power 100–240 VAC 50/60 Hz, 60W max. 30W Typical. IEC 60320–C14 Compliance FCC Class A, IEC60065, EN61000 (see manual 70–00031–00), CE, RoHS, RCM C-Tick Mounting Rack ears shipped attached, 1RU high Cooling Dual internal cooling fans, Front inlet, Rear exhaust. MBTF: 62,000 hours 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) Carton Dimensions (individual) 4.25 in. (H) 30.875 in. W 12.125 in (D) 108 mm (H) 785 (mm) W 308 (mm) (D) Temperature/Humidity Operating +32°F to +113°F (0°C to +45°C) / 10% to 80%, non-condensing Enclosure Type Metal Shipping Weight 7.88 lbs. (3.58 kg) 3.58 kg (7.88 lbs.) Warranty 5 Years Vibration NSTA 1A in carton
Inputs	Component Video x2 DIN connector HDbridge end, RCA connectors for HD source up to 720p VGA Resolutions Supported 640x480, 720x480, 800x600, 1024x768, 1152x864, 1176x664, 1280x720, 1280x768, 1280x800, 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 Average Encoding Data Rate 18 Mbs per channel Encoder Audio Profile ATSC A/52, (AC–3) GOP Size 16 Traffic Shaping Variable Bit Rate Encoding Latency Programmable 200 msec to 400 msec Video, Audio PID Programmable starting value Video Encoding Data Rates Variable, 10 Mbs – 24 Mbs per channel Color Profile 4:2:0 Program Information Programmable program name, EIT
Modulator/Upverter	Modulation Types QAM 256 and 64 (ITU–T J83 Annex B) Interleaving modes: (64,2) only Output Power +45 dBmV typical I/Q Amplitude Imbalance < 1% typical Cable Standard HRC, IRC or STD

Output Level Adjust 25 – 45 dBmV in 1dBmV steps

I/Q Amplitude Imbalance < 1% typical

Frequency Range Single or one paired, frequency agile QAM RF CATV channels
2–135• 2kHz resolution• +/- 30 ppm accuracy• +/- 35 ppm stability

MER > 38 dB typical

Simple Setup

Network Interface 10/100 Mb Ethernet via RJ45 connection. IP address displayed on the front panel. Set IP via DHCP (default) or static. Browser-based interface for quick and easy configuration. Easy firmware updates. All settings are persistent

Front Panel Color Display Quickly obtain status, basic configurations, software revisions, and perform updates