

HDDM Digital Modulator HDMI to QAM or 8VSB, MPEG2 SD or HD

Features

- MPEG2
- SD or HD
- Resolution to 1080P
- QAM or 8VSB Modulation
- 47-999 MHz
- Dolby AC3 Audio Encode
- HDMI Input with HDCP Compliance



The HDDM from Toner is an economical encoder/modulator that is ideal for places such as bars, restaurants, schools or anywhere that a digital TV channel needs to be added to the existing cable system. The small form factor allows mounting on a wall panel or on a rack shelf. With an HDMI input, the HDDM allows easy encoding and modulation to an RF output from 47-999 MHz. Setup is easily accomplished via the front controls or by a GUI and IP interface.

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Video Input	HDMI Single-link compliant with HDMI 1.4a, HDCP 1.4 integrated pre-programmed HDCP keys
Audio Input	Embedded MPEG audio / AC3 Dolby / AAC
Video Encoder	
Video Encoding	MPEG-2 HD / SD profile 2: ISO13818-2 MP@HL 1080p@30 FPS, 1920 x 1080 full HD resolution
Video Encoding Data Rates	Variable
Color Profile	4:2:00
Modulation	
Modulation Type (optional)	
Constellation	8 VSB, QAM, ISDB-T, COFDM (DVB-T)
Bandwidth	6 MHz (7 / 8 MHz optional)
RF Output	
Output Power	+30 dBmV (RF terrestrial); +35 dBmV (RF cable); 30 dB adjustment
Cable Standard	NTSC (PAL-B/G/D/K/I optional)
Frequency Range	47 - 999 MHz
Frequency Stability	± 5 KHz
MER	≥ 35 dB typical
Spurious	55 dB typical
Symbol Rate (for cable QAM)	5057 Mbps for 64 QAM; 5360 Mbps for 256 QAM
Phase Noise	1k ≥ 70 dBc / Hz; 10k ≥ 80 dBc / Hz; 100k ≥ 90 dBc / Hz
Connector	F type female, 75 ohm
Control / Setup	
Network Interface	10M ethernet via RJ45 connection
General	
Power Supply	100 - 240V AC, 50 / 60 Hz, DC 12V / 2A
Weight	1.8 lbs
Dimensions	6 x 3.25 x 1.5"