



HDME-4Q

HD Encoder / QAM Modulator

Quad Program Encoder with Internal Multiplexer / QAM Modulator



The HDME 4Q is a FOUR program High Definition digital modulator with a 4 channel, 2 QAM output. With the HDME 4Q you can convert video signals into Digital TV channels for distribution to any number of TV's on the system. The HDME was engineered to work with Satellite receivers, Digital Signage players, DVD players, Media players and any other device with a video output.

The HDME 4Q has four separate program inputs, either HDMI, component (Y,Pb,Pr) or composite video. The device then digitizes the program and modulates it on a standard QAM channel for distribution to TV's over a standard basic coax (cable TV) system. This is ideal for Sports Bars, Casinos, Retirement Facilities, Schools, Sports Venues and Motels / Hotels.

The HDME 4Q has a easy to use GUI on a separate 10/100 data port (RJ45) for local or remote setup. The unit also can be configured from the front panel. With a high performance encoder chipset, the HDME 4Q has video resolution up to 1080I (1080P for H.264) for the highest quality video!

The modulator has a high output level of 45dBmV so you don't need an amplifier for distribution and the MER is 40 dB or greater so you can be sure that the picture quality will be as good on the last TV as it is on the first. The HDME4Q is a high performance digital modulator that is very cost effective for just about any application.

Features:

- Four Program Encoder / QAM Modulator
- Multiplex the Programs on Two QAMs
- Frequency Agile QAM Channel, from Channel 2 to Channel 135
- 45 dBmV RF Output Level
- Virtual Channel Numbering
- Short Program Name (7 Digits)
- 40 dBmV MER
- Rack Mount
- Remote GUI for Management and Control
- Compression Codec MPEG2 or H.264
- Closed Caption Supported (708)

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Specifications



INPUTS (VIDEO By Priority)

HDMI	1.4v
Component	YPrPb (RCA)
Composite	CVBS (RCA)

AUDIO Inputs

Audio Input	L/R (RCA)
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VIDEO Encoder

Mode	MPEG-2, MPEG-4(AVC) Selectable
Video Resolutions	1080p(MPEG-4 Only), 1080i, 720p, 576p, 576i, 480p, 480i

AUDIO Encoder

Audio Compression	MPEG-1 Layer II, AAC, AC-3 Pass Through
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RF QAM SUPPORT

Frequency	54-864 MHz (CH 2 - CH 135)
RF Channel Output	4/2 (4 Inputs / 2 Outputs)
QAM	J.83 Annex B
Constellation	QAM256
Bandwidth	6 MHz
RF Level Output	+45dBmV Typical
MER	>40dB Typical
Interleaver	Supported on DVB-C Annex B
Channel Type	STD, HRC, IRC
VCN	Virtual Channel Mapping (1-16383)
RF Output	"F"- Female 75 Ω
Closed Captioning Control	Per Output Control (Use of CVBS Input)

Management / Control

Front Panel LCD Controller	Full Support (Up/Down/OK Control Buttons)
GUI Supported	IE9, FireFox, Chrome, Safari
Password Protected	Front Panel, GUI

General

Rack mountable (1RU)	19" x 9.45" x 1.75", 19" EIA Standard
Fan Cooled	Internal
LCD Front Panel	Dual Line, Scrolling Display