

TAMMC-QAM Agile SD QAM Encoder Modulator Minimod Type



The TAMMC-QAM is a Standard Definition Frequency Agile digital Encoder / Modulator.

It has an industry standard composite A/V input which it then encodes in MPEG2 and modulates the signal in either QAM or 8VSB. The QAM can be set to QAM256 or QAM64 as is used in MMDS applications.

The TAMMC-QAM is a Mini Mod type device that fits in all of the various Mini Mod chassis like the Toner TMMRC-12 and is powered by the associated Power Supply like the TMMPS.

The TAMMC-QAM only uses one module space meaning the Chassis can hold up to 12 units. Set up and programming is easily accomplished via a GUI interface and RJ45 Ethernet jack on the front.

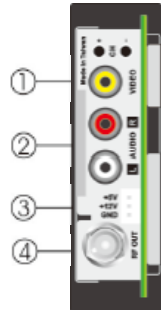
OVERVIEW

- Allows easy and cost effective transition to Digital TV
- Supports 480i full SD and ready for digital TV sets and CCTV security
- Channelized with standard channel number for easy and fast channel change
- Ready to consolidate or combine existing or new RF coaxial cabling
- Compatible with any terrestrial/cable tuner ready digital TV set/box
- Mini modular type compatible and fitting in with existing rack and power supply

FEATURES

- Supports MPEG2 480i/p - 576i
- Supports major/minor channels
- Supports AC3 & MPEG audio
- Composite A/V input for SD encoding
- PMT, video/audio PID, service/network name programmable
- Friendly configuration & management control remotely thru RJ45 ethernet connection

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1. Channel Up / Down
2. A/V Input
3. DC 5V/12V IN : 5V/12VDC power supply input
4. RF OUT : F type connector for RF output

SPECIFICATIONS

Video Input	1V P-P Phono Jack (RCA)
Audio Input	L/R Audio Phono Jack (RCA)
Video Encoder	
Video Encoding	MPEG-2 SD profile 2:ISO13818-2 MP@HL 480I@30fps
Video Encoding Data Rates	5-20 Mbps
Color Profile	4:02:00
Modulation	
Modulation Type (optional)	QAM/8VSB
Constellation	QAM256/QAM64/8VSB
Bandwidth	6 MHz
RF Output	
Output Level	35 dBmV; 20 dB adjustment (30 dBmV above 860 MHz)
Cable Standard Frequency	NTSC
Frequency Range	47-999 MHz
MER	39 dB typical
Spurious	-55 dB typical
Symbol Rate	5057 Mbps for 62 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 ohms
Control/Setup	
Network Interface General	Ethernet via RJ45 connection
Power Supply	90-250 VAC, 50/60 Hz
DC Power Input Operating	12V/200 mA, 5V/250 mA
Temperature	0 to +50°C
Size	1"W x 3.5"H x 7.5"D
Weight	1 lb