DT-QAM-ENC-2-MPG2

2 Channel HD Encoder Modulator

The DataTronix **DT-QAM-ENC-2-MPG2** 2-Channel QAM Encoder Modulator is a professional-grade HD encoder and modulator designed for reliable video distribution over QAM networks. Supporting **MPEG-2** video encoding, it provides outstanding compatibility with a wide range of legacy and commercial television systems, making it an ideal solution for facilities that require dependable RF distribution.



Each HDMI input can be independently encoded and assigned to its own QAM output channel, providing maximum flexibility for content distribution and channel lineup customization. The DT-QAM-ENC-2-MPG2 is well suited for hospitality, education, healthcare, government, and commercial AV applications.

Key Features

- **MPEG-2 Video Encoding:** Delivers reliable HD video encoding with broad compatibility across existing QAM television systems.
- **Independent Channel Configuration:** Each HDMI input can be individually encoded and assigned to its own QAM channel for flexible content distribution.
- **Integrated QAM Modulation:** Built-in QAM modulation enables direct integration into existing RF coaxial distribution networks.
- **Web-Based Management:** Intuitive browser-based interface simplifies configuration, monitoring, and firmware updates.
- **Broadcast-Quality Performance:** Provides stable, high-quality RF output designed for continuous 24/7 operation.
- **Compact 1RU Design:** Rack-mountable chassis minimizes headend rack space while simplifying installation.

Specifications

Input	
Input Connector	2 x HDMI 1.4
Video Encoding	MPEG2
Video Input Resolution	1920 x 1080_60P/_50P, 1920 x 1080_60i/_50i, 1280 x 720_60P/_50P, 576_50P/50i, 480_50P/50i
Audio Encoding	MPEG 1 Lay II, AAC_ADTS,AAC_LATM, AC3
Audio Sample Rate	32 / 44.1 / 48 KHz

TS Processing	
Advanced PSI/SI Regeneration	Yes

General	
Input voltage	120VAC, DC12V 5A
Power Consumption	600mA
Rack Space	1RU
Dimensions (WxHxD)	18.97 x 1.73 x 10.23” (482 x 44 x 260 mm)
Net Weight	5.64 lbs. (2.56 kg)
Language	English
Warranty	1-Year Limited Warranty

Output	
Output connector	1 x RF female @75Ω
RF Channel Range	54 - 886MHz
Output Carriers	2 channels
Output Level	≥40dBmV
MER	Typical 38dB
QAM	
Bandwidth	6M, 7M, 8M
Constellation	64 QAM, 256 QAM
Symbol Rate	Auto-tuning
IP	
Output Connector	1 x 1000Mbps port
Transport Protocol	UDP
Output Transport Stream	SPTS
Broadcasting Mode	Unicast or Multicast