DT-QAM-AMM-1

Single Channel Agile Micro Modulator

The DataTronix DT-QAM-AMM-1, High Definition (HD) Modulator, is the ultimate solution for adding local content seamlessly into a coaxial cable TV network. This innovative device boasts the ability to generate an MPEG-2 encoded signal in either QAM or ATSC format from an HDMI input. With its sleek design, it features one HDMI input, one RF output, and one LAN port for web management - making it the perfect addition to add locally generated content, such as digital signage and video surveillance.

This innovative unit can be effortlessly installed into an existing analog micro-modulator slot, making upgrading your system to HD an effortless process.

Key Features

- QAM Channels: 2 - 135
- ATSC Channels: 2 - 69
- Output: 41 dBmV
- Impedance: 75 Ohms
- RF Output: "F" Type, Female

Specifications	
Input	
Video Input	HDMI
Audio Input	HDMI
Video Input Format	480i/p, 576i/p, 720p, 1080i/p
Closed Captioning (CC)	Composite Video
RF Output	
Frequency Range	57-861 MHz
Output Level	41 dBmV
Channel Bandwidth	6 MHz
Channel Level Adjustment	0 dB - 30 dB Typically
MER	35 dB Typically
Attenuation Step	1 dB per step
Compression	
Video	MPEG 2
Video Resolution	1080p 25/30 Max
Video Bit Rate	18Mbit/sMax
Audio	MPEG - 1 Layer 2, AAC-LC, AC3

Connections	
HDMI IN	HDMI IN
Closed Captioning (CC)	RCA Female 75Ω (Yellow)
RF Out	1 RF Output, Type Female, 75Ω
LAN	Web Management
Button Control	UP/Down/OK
Micro USB-B	S/W Update
General	
Modulation	Standard QAM (J83 Annex B)/ ATSC A/53
	Constellation 256 QAM, 64 QAM/8VSB
	Bandwidth 6MHz
	Channel Type: STD
DC IN	5VDC, 12VDC
Display	OLED panel @ 64 x 32 Dots
Operating Limits	Temperature: 41-104°F (5-40°C)
	Relative Humdity 80% @ 86°F (30°C)
Dimensions	9.25" x 1.06" x 3.46" (235 x 27 x 88 mm)
Weight	0.6294 lbs (0.2855 kg)
Warranty	2 Year Warranty