



## Description

The QAD demodulator and related QAD-CM controller and power supply is a very versatile and stable solution to the ongoing digital changeover. The QAD allows the user to select any digital channel and then remodulate it back onto the system using Otius or existing analog modulators.

## Features and Benefits

- CATV-Private Cable-Satellite-Institutional
- Receive ATSC and QAM signals and outputs standard analog audio and video
- Enables the continued use of analog systems past digital cutoff date
- Works on all 8VSB and QAM (Annex B) from 54-860MHz
- Closed Caption digital compatible retransmits the CC information, not just displays it on screen
- Analog video and stereo left-right output
- Convenient front panel controls and indicators
- Can be programmed by internal power supply controller or external PC
- Module and controller store setup information so replacement is fast and easy
- Module 'locks' prevent unintended setup errors or modifications
- Software can be updated through RS-232 serial port
- Fits standard 2U mini modulator rack
- Space efficient design allows 10 decoders and 1 controller in 2U rack space
- Units are hot "swappable" without affecting adjacent modules
- UL rated fan cooled power supply



Modulator

Digital

QAD

## Specifications

### RF Section

Frequency Range: 54 to 860MHz  
QAM Support: CH 2 - 135  
QAM Types: 64QAM, 256QAM  
8VSB Support: VHF (2-13) + UHF (13-69)  
Data Rate: 19.4Mbps, 26.9Mbps, 38.8Mbps  
Sensitivity: -35 to +30dBmV  
Impedence: 75 Ohm

### Video Section

Video Output: NTSC  
Video Level: 1 V p-p  
Video Format: 480i  
Video Aspect Ratio: 4:3, 16:9 (Pan and Scan)

### Audio Section

Audio Output: 1 V p-p (L +R)  
Audio Format: Stereo

### Embedded Information

Parental Control: V-Chip  
Closed Captioning: EIA-608 (standard definition)

### Power Section

AC Input Voltage: 110-240V 50-60Hz  
DC Output Voltage: 5V (4.5A) + 12V (3.0A)

### Physical Characteristics

Dimensions: 1.02"W x 3.46"D x 8.70"D  
Cooling: Fan Cooled  
Operating Range: 0 ° - 50 ° C (32 ° - 122 ° F)  
Weight: 358 Grams (12oz)

### Order Info

QAD = Agile Digital Decoder Module  
QAD-CM = Power Supply and Controller