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Product Description

The CT-AMM is a professional quality *fully agile* micro modulator providing an audio and video modulated RF carrier from 54 to 806 MHz on any CATV channel from 2 to 125, and any Off-Air channel from 2 to 69. Any standard video source can be used, including satellite receivers, demodulators, VCRs, laser/DVD players, and TV/security cameras.

The CT-AMM employs highly stable synthesized frequency control. Setup and tuning is easy and straightforward taking advantage of the unit's front panel access to all level controls and indicators. Channel frequency information with FCC offsets is programmed into each unit at the factory. Non-volatile memory maintains channel selection in event of power loss.

The CT-AMM meets or exceeds government regulatory requirements, including FCC group delay pre-distortion for color transmission, and FCC Docket 21006 aeronautical offset requirements.

Application

Designed for commercial grade headend systems, the CT-AMM provides cable operators the engineering ease and flexibility associated with new headend deployments, existing headend upgrades, and system maintenance. These fully agile modulators allow the rapid creation of channel lineups, faster channel reassignments, and quicker replacement of failed modulators over traditional fixed frequency devices. Just as important, the CT-AMM's full agility directly improves the operator's bottom line by not requiring an inventory of fixed frequency spares necessary for on-going headend maintenance.

Call For Pricing On This Product With International Video Standards.



CT-AMM

Agile Micro Modulator



Features and Benefits

- Full frequency agility at fixed channel prices means greater flexibility at less cost
- Now featuring a cast housing
- Output frequency of 54 to 806 MHz supports all CATV and Off-Air channel assignments
- Rapid headend design and deployment
- Reduced costs associated with maintaining inventory of spare fixed frequency modulators
- Reduced headend down time associated with the search and procurement of a specific fixed frequency modulator if not held in inventory
- Excellent broadband noise performance at -78dBc
- Recessed front panel access to all level controls and indicators
- Use with Cabletronix CTPS-12 power supply and CTRC-12 rack chassis or with 3rd party power supplies and/or chassis depending upon configuration
- 1 year warranty with a 1 year loaner guarantee
- 3 year extended warranty available

CT-AMM Agile Micro Modulator
 CTPS-12 12 Unit Power Supply
 CTPS-12DUAL 12 Unit Redundant Power Supply
 CTRC-12 12 Unit Rack Chassis

CTAMM PICO ADAPTER For use with Pico Power supplies
 CTRC HARNESS Replacement Harness

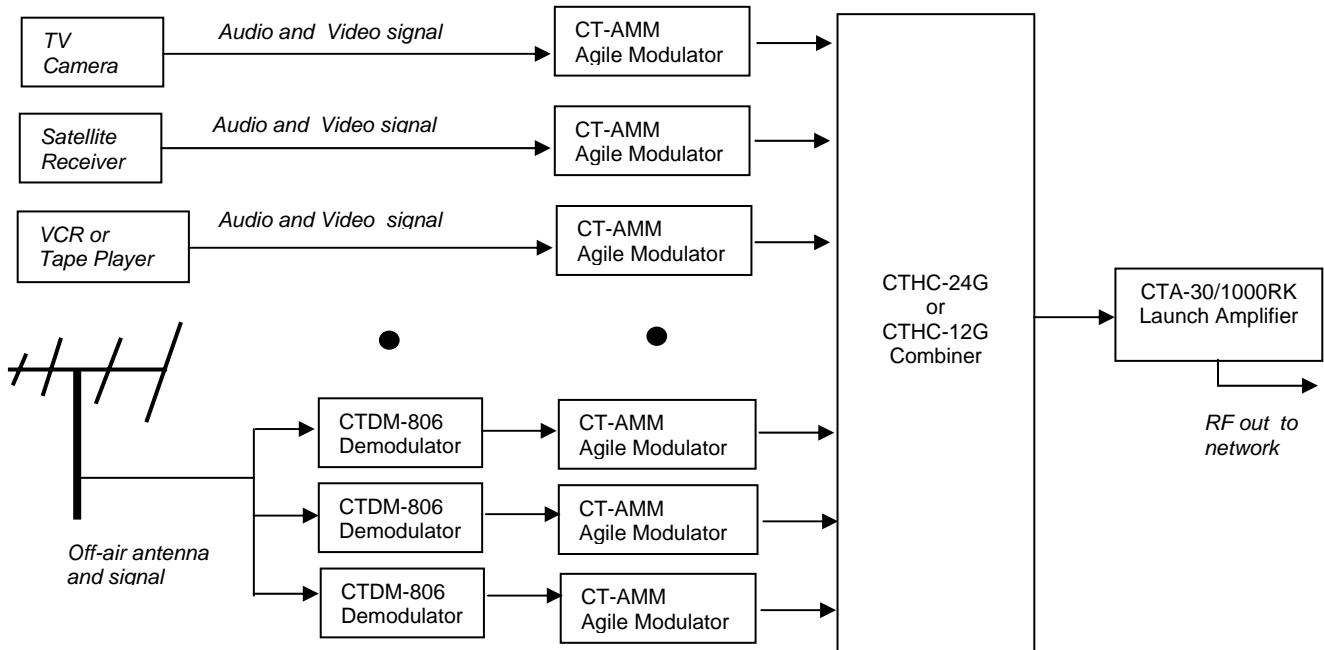
CT-AMM

Agile Micro Modulator

Specifications

RF	Output Frequency	54 ~ 806 MHz. CATV Channels 2 to 125, Off-air Channels 2 to 69	
	Output Level	+50 dBmV typical, 20 dB Adjustable	
	Spurious Output	> 60 dB	
	C/N Ratio	60 dB typical	
	Broadband Noise	-78 dBc	
	Frequency Accuracy	±5 kHz	
	Output Impedance	75 Ohms	
	Output Return Loss	12 dB	
	A/V Ratio	-18 to -12 dB (±2 dB) , Adjustable	
	Video	Input Level	0.7 V p-p (Min.) for 87.5 % Modulation
Input Impedance		75 Ohms	
Input Return Loss		20 dB	
Flatness		±1 dB,	
Video Signal-to-Noise Ratio		62 dB	
Differential Gain		2.0 %	
Differential Phase		2°	
Group Delay Response		meets FCC group delay pre-distortion requirements for color transmission	
Audio		Input Level	0.35V ~1V peak to peak for 50 kHz Deviation
		Input Impedance	> 10 k Ohms
	Flatness	±1 dB, 50 Hz ~ 15 kHz	
	Harmonic Distortion	<1 %, 50 Hz ~ 15 kHz	
General	DC Power Input	5V (400 mA) , 12V (150 mA)	
	Weight	14 oz.	
	Dimensions	1" W x 3.5" H x 7.5" D	
	Operating Temperature Range	32°F to 122°F	

Sample Configuration



The CT-AMM frequency agile modulators are regulatory compliant. All product specifications are accurate at time of printing, but are subject to change.

Products are warranted for one year. Warranty can be extended to three years. The CT-AMM is backed by a one-year loaner guarantee. Contact a sales engineer for details.