

CTFCM55-*

Rack Mountable Television Modulator

Product Description

The CTFCM55 is a professional quality fixed channel 19" rack mounted modulator providing an audio and video modulated RF carrier for any single channel between 2 and 36 CATV. Any standard audio/video source can be used, including satellite receivers, demodulators, VCRs, laser/DVD players, and TV/security cameras.

The CTFCM55 employs highly stable synthesized frequency control. Multi stage bandpass filtering is precision tuned for maximum benefit and adjacent channel operation. 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.

The CTFCM55 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 CTFCM55 provides system operators the engineering ease and flexibility associated with new headend deployments, existing headend upgrades, and system maintenance.

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International Video Standards.**



Features & Benefits

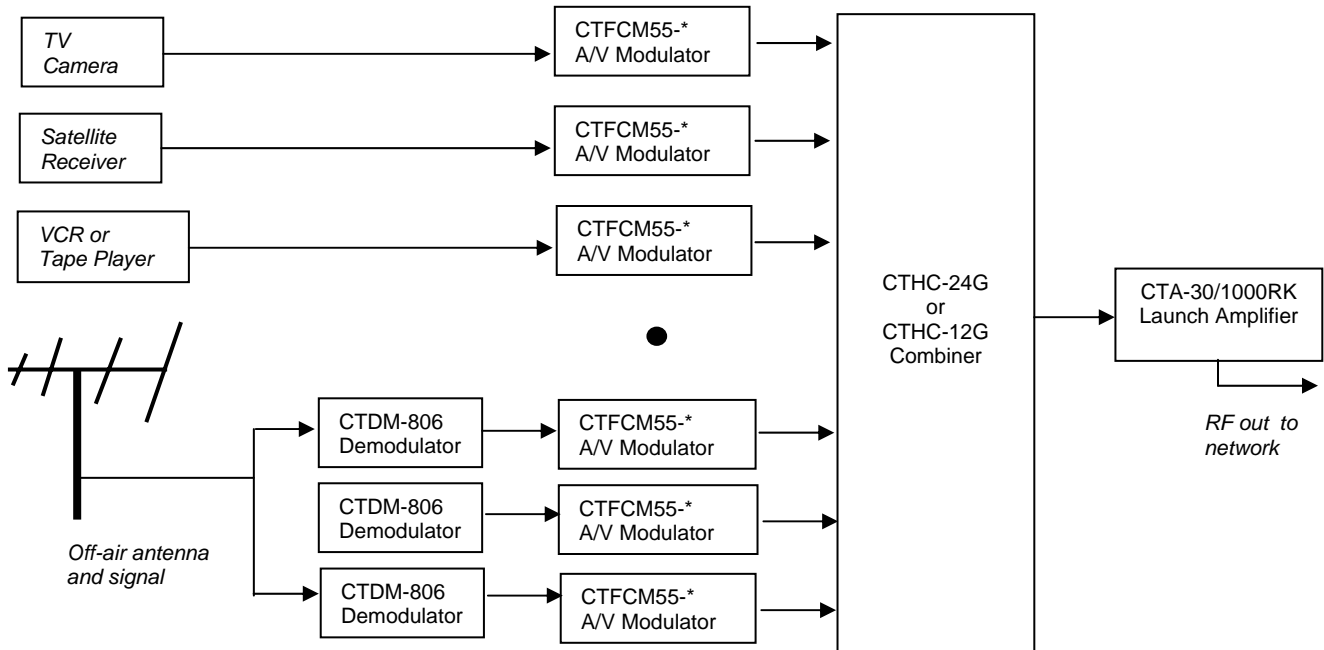
- Low cost with high performance
- Compatible with BTSC encoded stereo audio
- Rapid headend design and deployment
- Excellent broadband noise performance at -78dBc
- Front panel access to all level controls and indicators
- Excellent value
- 1 year warranty
- 3 year extended warranty available
- Output test port

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Specifications

RF	Output Frequency	54 ~ 300 MHz VHF, CATV 2-13, 14-22 (A-I), 23-36 (J-W)
	Output Level	+55 dBmV typical, 15 dB Adjustable
	Spurious Output	> 55 dBc
	C/N Ratio	60 dB typical
	Broadband Noise	-95 dBc
	Frequency Accuracy	±5 kHz
	Output Impedance	75 Ohms
	Output Return Loss	> 10 dB
	A/V Ratio	-10 to -20 dB, Adjustable
	Video	Input Level
Input Impedance		75 Ohms
Input Return Loss		18 dB
Video Signal-to-Noise Ratio		60 dB
Differential Gain		3.0 %
Differential Phase		2°
Audio	Input Level	140 mv RMS
	Input Impedance	> 10 k Ohms Unbalanced
	Pre-Emphasis-Mono	75us
	Frequency Response	±1 dB
	Frequency	4.5 MHz
General	Power Input	110 VAC input, 60 Hz
	Connections	All "F" Type
	Weight	4 lb.
	Dimensions	19" W x 1.75" H x 4.75" D
	Operating Temperature Range	0°C to 50°C



The CTFCM55 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. Contact a sales engineer for details.