

Digital RF Modulators

CVT1stereo-II

MTS STEREO audio, digital circuitry, versatility, and power at an affordable price. Channel Vision's CVT1stereo model accepts one audio/ video input for modulation on the channel of your choice. A full 30+dB output provides a powerful signal for long cable runs. Includes an external impedance matching switch for loop through stereo audio. PLL crystal controlled oscillator circuitry means set-up is quick and easy. Just select the TV band, then use the push buttons to choose an unoccupied channel on your TV set. UHF 14-78, Ultraband 59-135 or split band 14-39 and 91-135.

Features:

- MTS Stereo
- Full 30+dBmV output
- PLL Digital Circuitry
- Video Level Adjustment
- Ultraband (59-135) and UHF (14-78) (Excluding 95-99)
- External 75 ohm/1K ohm Switch
- Stereo Output Loop Connections Built In
- Non Volatile Channel Memory
- Push Button Channel Selector
- 3 Digit LED Display
- Also available as a retail version with a maximum output of 15dB (model# R-CVT1stereo-II)



Specifications:

RF Modulator	PLL Synthesized Oscillator		
Video	NTSC		
Audio	MTS Stereo		
RF Carriers			
Frequency Stability	+1KHz		
Frequency Ranges	UHF 471.25-855.25MHz Ultraband 433.25-859.25MHz UHF 14-78, Ultraband 59-135		
Channels			
Channel Width	6.0MHz		
Audio Offset	4.5MHz		
Sidebands	Double		
RF Output			
Maximum	30±2dBmV		
Gain Range	20dBmV Adjustable Attenuator		
Video Output	1V Peak to Peak		
Audio Output	1V RMS		
Video Performance			
Differential Gain	Less than 2% (0.2dB)		
Differential Phase	Less than 3 degree		
Signal/Noise Ratio	Greater than 52dB		
		Spurious Output Rejection	
		Outside Carrier	+12MHz Greater than 70dB
		Inside Carrier	+12MHz Greater than 55dB
		Isolation	Greater than 70dB
		Inputs	
		Video	0.4V-2.7V Peak to Peak adjustable
		Audio	1V RMS
		Connectors	
		Video Inputs	RCA Female
		Audio Inputs	RCA Female(stereo loop thru)
		RF Output	F type female
		Signal Combiner	Supplied with unit
		Operating Temps	0C to 50C
		Transformer Input	
		Input Voltage	115 VAC, 50/60Hz
		Power	8 Watts
		Output Voltage	26.0 VAC C/T @ 400mA
		Exterior	ABS resin fiber - black
		Display	3 digit channel display
		Channel Selector	Up/Down selector buttons
		Dimensions:	9" x 6" x 2.8"



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