

Digital RF Modulators

CVT 3ub/uhf

Digital quality, versatility, and power at an affordable price. Channel Vision's CVT 3ub/uhf model accepts three video inputs for modulation on the channels of your choice. PLL crystal controlled oscillator circuitry means set-up is quick and easy. Simply select the TV frequency band via dip switches for UHF 14-78, Ultraband 59-135 or split band 14-39 and 91-135. Includes external impedance matching switches for each input for true stereo audio. A full 30+ dB output provides a powerful signal for long cable runs. Just select the TV band, then use the push buttons to choose an unoccupied channel on your TV set.

Features:

- Full 30+dBmV Output
- Accepts Up to 3 Inputs
- Video Input Level Adjustments
- PLL Digital Circuitry
- Split Band UHF (14-78) Cable (59-135) (Excluding 95-99)
- Impedance Matching Switches (75 or 1K ohm)



Specifications:

RF Modulator	PLL Synthesized Oscillator	Spurious Output Rejection	
Video	NTSC	Outside Carrier	+12MHz Greater than 70dB
Audio	L&R Monaural/Stereo loop opt.	Inside Carrier	+12MHz Greater than 55dB
RF Carriers		Isolation	Greater than 70dB
Frequency Stability	+1KHz	Inputs	
Frequency Ranges	UHF 471.25-855.25MHz	Video	0.4V-2.7V Peak to Peak adj.
	Ultraband 433.25-859.25MHz	Audio	1V RMS
Channels	UHF 14-78, Ultraband 59-135 (Excl 95-99)	Connectors	
Channel Width	6.0MHz	Video Inputs	RCA Female
Audio Offset	4.5MHz	Audio Inputs	RCA Female (stereo loop thru)
Sidebands	Double	RF Output	F type female
RF Output		Signal Combiner	Supplied with unit
Maximum	30±2dBmV	Insertion Loss	3.7dB
Gain Range	0-20dBmV Adjustable Attenuator	Bandwidth	5-1000MHz
Video Output	1V Peak to Peak	Transformer Input	
Audio Output	1V RMS	Input Voltage	115 VAC, 50/60Hz
Video Performance		Power	8 Watts
Differential Gain	Less than 2% (0.2dB)	Output Voltage	26.0 VAC C/T @ 400mA
Differential Phase	Less than 3 degree	Exterior	ABS resin fiber - black
Signal/Noise Ratio	Greater than 55dB	Display	3 digit channel display
Operating Temps	0°C to 50°C	Channel Selector	Up/Down selector buttons
		Dimensions:	9" x 6" x 2.8"



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