

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 | 35dBmV | Insertation Loss | 3.7dB |
| Gain Range | 0-20dBmV Adjustable Attenuator | Bandwidth | 5-1000MHz |
| Video Output | 1VPeak 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 |



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