

# Digital RF Modulators

## E1200

The E1200 1-input modulator is a perfect solution for structured wiring installations, as all inputs are located on the top of the unit. With ease of use, the E1200 is a product that has many attractive features such as immunity to brownouts, PLL crystal controlled oscillator circuitry, which means longer life, no channel drift and simple set up, and a wide channel range (UHF 14-78, Ultra band 65-135). A built-in video amplifier boosts the signal to +25dB providing a powerful signal, which is suitable for most residential applications. The E1200 is UL & CSA approved.

The E1200 is designed to distribute a modulated channel of an incoming video source such as security cameras, VCRs, DVDs or other video/audio appliances. To enhance the performance of the E1200, the unit should be combined with Channel Vision products such as passive splitters, HS-6 and HS-8, or powered distribution systems, CVT-2/4PIA-II or CVT-2/8PIA-II. Combining various distribution options with the E1200 allows the combination of CATV or off-air signals to be sent with the output of the E1200, creating a total RF distribution system of incoming services and in-house created channels to every room with the system.

### Features:

- Adjustments/inputs & output on face of unit
- 25dBmV Output
- Wide Channel Range UHF 14-78 Cable 65-135 (excluding 95-99)
- Immunity to voltage brownouts
- Push Button Channel Selector, Video Input Level Adjustment
- Non-Volatile Memory
- 2 Year Warranty
- UL/CUL/FCC agency approvals
- Available as a retail version with a maximum output of 15dB (model# R-E1200)



### Specifications:

#### Specifications @ 0 ° C to 50 ° C

RF Modulator	PLL Synthesized Oscillator
Video	NTSC 0.4-2.7V Peak to Peak
Number of Channels	1
Audio 1VRMS	L&R combined Mono
<b>Connectors</b>	
Video/Audio Inputs	RCA Female
RF Output	F Type Female
Bandwidth	5-1000Mhz
<b>RF Carriers</b>	
Frequency Stability	±1Khz
Frequency Range	UHF 471.25-855.25Mhz Ultraband 469.25-859.25Mhz UHF 14-78 / Ultraband 65-135 (except 95-99)
Channels	
Channel Width	6Mhz
Audio offset	4.5Mhz
Sidebands	Double

#### RF Output

Maximum 25dbmV

#### Video Performance

S/N ratio > 52dB

#### Spurious Output Rejection (non-harmonic)

Outside Carrier +12Mhz Greater than 62dBC

Inside Carrier +12Mhz Greater than 55dBC

Power Requirements 12VDC@250mA

Dimensions 4.8w x 7h x 1.6d inches  
(12.1cm x 17.8cm x 4.06cm) 2 Lbs.

Note: The E1200 does not have video loop-out capability.

All technical specifications are subject to change without notice.



## CHANNEL VISION™

234 FISCHER AVENUE • COSTA MESA, CA 92626 • (714) 424-6500 • (800) 840-0288 • (714) 424-6510 fax  
www.channelvision.com • email: sales@channelvision.com