

# UV-82

## PROFESSIONAL FM TRANSCEIVER

*Dual Band Dual Watch Double Launch Key*

*Call Tone (1750Hz) DTMF Encoded / DTMF*



### General

Frequency Range	UHF 400-520MHz VHF 136-174MHz(dual band)
Channel Capacity	128
Channel Spacing	2.5/5/6.25/10/12.5/20/25KHz
Operated Voltage	7.4V
Battery Life(5-5-90 duty cycle)	About 10 hours
Frequency Stability	$\pm 2.5\text{ppm}$
Operated Temperature	- 20°C - + 50°C
Antenna Impedance	50 $\Omega$

### Transmitter

RF Power Output	5W/1W
Modulation	16K $\phi$ F3E/11 K $\phi$ F3E
Spurious power	$\leq 7.5\mu\text{W}$
FM Noise	$\geq -45\text{dB}/\geq -40\text{dB}$
Modulation sensitivity	8-12mV
Transmitting Current	$\leq 1.5\text{A}$

### Receiver

Sensitivity	-122dBm (12dB SINAD)
Selectivity	65dB/60dB
Intermodulation	$\geq 65\text{dB}/\geq 60\text{dB}$
Adjacent Channel Selectivity	$\geq 65\text{dB}/\geq 60\text{dB}$
Spurious Response	$\geq 65\text{dB}$
Receive current	$\leq 380\text{mA}$
Audio Power Output	1W
Audio Distortion	<10%