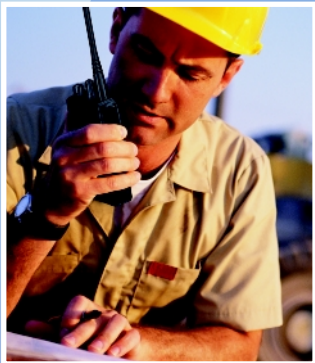




VL-007, GPS Mobile Radio

- Inbuilt GPS with External Antenna
- Wide Frequency Band
(136-174 MHz) VHF, (350-390, 450-520 MHz) UHF
- Full Built-in signaling - DTMF, 2-Tone/MDC1200 or 5-Tone
- GPS Coordinates Display on LCD
- Versatile Scanning Features
- Voice Scrambler Built-in
- Remote Kill/Stun/Activate/Revive Function
- Password Protection
- Meets MIL-STD 810 C/D/E/F
- Power-on Self Inspection
- Repeater/Talk Around
- 4W Front-Mounted Speaker
- Public Address System

TECHNICAL SPECIFICATIONS

VL-007, GPS Mobile Radio

GENERAL

TRANSMITTER

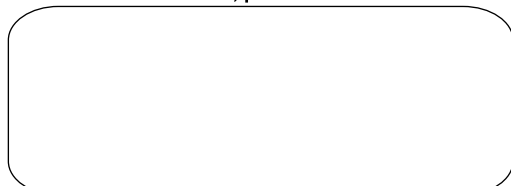
Frequency Range	136-174MHz 400-470MHz 350-390MHz 450-520MHz	RF Power	5W/25W/50W(VHF) 5W/25W/45W(UHF)
Channel Capacity	128	Frequency Modulation	16K Φ F3E/ 11K Φ F3E
Channel Spacing	12.5KHz/20KHz/25KHz	Antenna Impedance	50Ω
Frequency Stability	<±2.5ppm	Modulation Limiting	±2.5KHz@12.5KHz, ±4KHz@20KHz ±5KHz@25KHz
Operating Voltage	13.6V DC(nominal)	Modulation Distortion	< 5%
Operating Temperature	-30°C~+60°C	Radiated Spurious Emission	-36dBm < 1GHz/-30dBm>1GHz
Dimension	170mm X 170mm X 52mm	FM Noise	-45dB @25KHz/-40dB@12.5KHz
Weight	<1.5 kg		

RECEIVER

GPS

Squelch Sensitivity	<0.2μV	Chipset	SIRF StarIII
Sensitivity	<0.25μV@12dB Sinad	Channels/Satellites	20
Adjacent Channel Selectivity	70dB@ 12.5KHz 75dB @20/25KHz	Accuracy	<2.5 Mtrs.
Intermodulation Rejection	>65dB	Tune to First Fix (TTFF)	Hot Start - 1Sec.
Image Rejection	>70dB		Warm Start - 35 Sec.
Spurious Response Rejection	>70dB	Power	5 V DC
Rated Audio Power	4W	I/O Protocol	NMEA - 0183@19200 bps
Rated Audio Distortion	<5%	Operating Temperature	-40°C~+70°C
FM Hum & Noise	45/40	Tracking Sensitivity	<-159 dBm
Audio Response	+1~-3dB per Octave		

For more information , please contact:



Vertel is a registered Trade Mark



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