



## VRC-220/E Vehicular Radio Communication System



### DESCRIPTION

VRC-220/E vehicular radio communication system is a tactical secure radio with capability of establishing voice/ data communication in fix frequency/frequency hopping mode. This radio is compatible with analogue radios in frequency range of 30~88 MHz and capability of establishing communication with various analogue VHF/LB radios.



General specifications	
Frequency band	30~88 MHz
Frequency channel spacing	12.5/25 KHz
Frequency stability	±1PPm
Number of preset channels	100 channels
Data transmission rate	4800
Modulation type	FM/QPSK/CPM/FSK
Vocoder type	MELP, CVSD
Voice/data operation type	FIX FREQUENCY (CLEAR/CIPHER) FREQUENCY HOPPING (CIPHER)
Receiving specifications	
Sensitivity	-117dBm/12dB SINAD
Adjacent channel rejection	>60dB
IF rejection	>70dB
Image rejection	>70dB
Audio distortion	less than 5%
Transmitting specifications	
Transmitter power	0.5W-5W-10W,50W ±1.5dB
Harmonic rejection	-50dBc
Spurious signal rejection	-60dBc
Modulated frequency change	5.5±1.0 KHz
Physical & environmental specifications	
Dimension (W×H×D)	280×190×280 mm
Weight	less than 11.5kg
Operating temperature	-25°C ~ +65°C
Storage temperature	-40°C ~ +65°C
Environmental standard	MIL-STD-810F
EMC standard	MIL-STD-461F