



DESCRIPTION

IMD52(G)/E civil vehicular radio is new generation of civil radios under the DMR Tier standard which is used for covering and establishing reliable high quality communication in each level of organization. This radio is operated as a vehicular/stationary radio to exchange vital and online information. High-quality voice transmission relies on available codecs and digital error correction processes. From among other technical features of the IMD52(G)/E radio set one can refer to best-quality voice in noisy circumstances and borders of network radio coverage, supporting digital and analogue modes, SMS sending/receiving, establishing private/group/broadcast/emergency communication, establishing encrypted communication due to encryption technology of the radio in digital and analogue modes, reliability and excellent quality, benefitting from the GPS module optionally and capability of observing geographical location, different expanding ports, large size and color display screen, keypad for different functions (such as SMS sending/receiving and changing the radio parameters), and defining short keys.



General specifications	
Frequency range	UHF: 350~400 MHz/400~470 MHz/450~520 MHz VHF: 136~174 MHz
Number of channels	1024
Zone capacity	64 (each zone with maximum 16 channels)
Channel spacing	12.5KHz/20KHz/25KHz
Frequency stability	±1.5ppm
Antenna impedance	50Ω
Receiver specifications	
Analogue sensitivity	0.3μV (12dB SINAD) 0.22μV typically (12dB SINAD) 0.4μV (20dB SINAD)
Digital sensitivity	0.3μV / BER5%
Transmitter specifications	
RF output power	UHF: 5~45W (adjustable) VHF: 5~50W (adjustable)
Analogue modulation type	FM
Digital modulation type	4FSK
Audio distortion	≤ 3%
Audio response	+1 ~ -3dB
Voice compression	SELP
Digital protocol	ETSI-TS102 361-1,-2,-3
Physical and environmental specifications	
Weight	1.7Kg
Dimension (H×W×D)	600×174×200 mm
LCD dimension	2 inch, 4 rows
Operating temperature	-30°C ~ +60°C
Storage temperature	-40°C ~ +85°C
Standards	MIL-STD-810 C/D/E/G/G and IP67