DMR Mobile Radio

Model : RM-D08

Main features:

- Full Duplex Communications
- 2-Slot Communication
- 2" HD Color TFT
- Built-in GPS, Bluetooth (Optional)

Specifications

General

Frequency	66~88MHz, 136~174MHz, 400~470MHz, 450~520MHz
Emission masks	11K0F3E@12.5K, 16K0F3E@25K 12.5KHz（data only）：7K60FXD 12.5KHz（data＋voice）：7K60FXE
Power Supply	DC13.6V (± 15%)
Frequency Stability	± 1ppm
Channel Bandwidth	12.5kHz, 25kHz
Channel Capacity	1024
Zone Capacity	64
Weight	1.45Kg
Dimensions	182(W)*190(D)*56(H) mm

Transmitter

RF Output Power	≥50W
Modulation Limiting	±2.5 kHz @ 12.5kHz, ±5.0 kHz @ 25kHz
FM Hum and Noise	40dB @12.5KHz, 45dB @25KHz
Conducted / Radiated Emission	-36 dBm≤1GHz, -30 dBm≥1GHz
Adjacent Channel Power	-60dBc
Audio Response	+1/-3dB
Audio Distortion	≤3%
Digital Vocoder Type	AMBE +2
Digital Protocol	ETSI TS 102 361, ETSI EN 300 113/291

Receiver

Sensitivity	Analog 0.25uV (12dB SINAD)
	Digital 0.3uV (BER 5%)
Adjacent Channel Selectivity	60dB @ 12.5kHz, 70dB @ 25kHz
Intermodulation	TIA603C：70dB, ETSI：65dB
Spurious Rejection	TIA603C：75dB, ETSI：70dB
Hum and Noise	40dB @12.5KHz, 45dB @25KHz
Audio Response	+1/-3dB
Audio Distortion	≤3% @ 2W
Conducted Spurious Emission	-57dBm

Environmental

Operating Temperature	-20℃ to +60℃
IP Rating / Humidity	IP54
Anti Shock & Vibration	MIL-STD-810C/D/E/F/G

Remarks: All Specifications are subject to change without notice due to continuous development.