

VX-35I

Licence-Free PMR446 Radio

SPECIFICATION SHEET

Compact, Long-Lasting Performance

With its easy-to-carry small and compact size combined with powerful Lithium-Ion battery technology, the VX-35I heavy-duty PMR446 radio delivers the reliable, two-way communications you need for work or recreational use.

Light Weight, Long-Lasting Lithium-Ion Battery

When using the battery save option, the VX-35I delivers up to 25 hours of battery life for long-lasting performance and convenience. With battery save mode on, the radio automatically converts to saver mode during standby while periodically checking for channel activity.

Waterproof Construction

Water and dust are no problem for the VX-35I manufactured to strict IP ratings. It meets the parameters of the IP55 international waterproof and dust proof standard.

Lock Out Channel Interference

Choose from one of 50 CTCSS tones or from one of 104 DCS sequences on one of the 8 pre-programmed RF channels in the PMR446 allocated frequency range.

3.2 km Communication Range

With 500 mW ERP of power, get reliable two-way communications for a 3.2 km (two-mile) radius depending on terrain and other conditions.

Solid Audio Output

Designed with 500 mW audio output makes the VX-35I ideal for noisy environments.

Private Communications Option

Add Voice Inversion Encryption when secure communication is needed to keep your conversations private.

Exclusive Auto-Range Transpond System – ARTS™

Only Vertex Standard radios are designed to inform you when you and another ARTS™-equipped radio are within communication range. If out of range for more than 2 minutes, your radio senses no signal has been received and beeps to alert you. A great solution to keep everyone co-ordinated.



VX-35I PMR446

105 (H) X 58 (W) X 33 (D) mm



The Vertex Standard Difference

Our number one goal is achieving superior customer satisfaction by delivering products and services that exceed your expectations. Count on Vertex Standard for radios that are built to last and designed to provide more features for a better return on your investment. Ask your Dealer for more details.

Additional Features

- 16 channel capacity
- CTCSS / DCS Encode and Decode
- Busy Channel Lockout (BCLO)
- Time Out Timer (TOT)
- Follow-me scan
- Sub-audio set mode
- Low battery indicator

Accessories

- MH-45B4B: Noise cancelling speaker microphone
- MH-450S: Speaker microphone
- MH-360S: Compact speaker microphone
- MH-37A4B: Earpiece microphone
- VC-25: Over-the-head VOX headset
- FNB-V96LI: 2000 mAh Li-Ion battery*
- VAC-6300: 6-Unit multi rapid charger
- CD-34: Desktop single unit rapid charger*
- PA-42: AC Adapter*
- DCM-1: Desktop charger mounting adaptor
- VCM-2: Vehicle mounting adapter for CD-34
- CLIP-18: Belt clip*

* Included in standard package

Option Board

- FVP-36: Voice Inversion Encryption Unit

VX-35I Series Specifications



General Specification (EN 300 296)

Frequency Range	8 Channel in PMR 446 allocated channels 446.00625 MHz – 446.09375 MHz
TX Output Power	500 mW ERP
Battery Life (5-5-90 duty) 2000 mAh FNB-V96LI	25 hrs (w/saver)
IP Rating	IP 55
Operating Temperature Range	-25° C to +55° C
Dimension (H x W x D)	105 x 58 x 33 mm
Weight (Approx.)	310 g (w/FNB-V96LI, Antenna, Belt clip)
Sensitivity 20dB SINAD	0.8 µV emf

Applicable MIL-STD

Standard	MIL 810C Methods/ Procedures	MIL 810D Methods/ Procedures	MIL 810E Methods/ Procedures	MIL 810F Methods/ Procedures
Low Pressure	500.1/Procedure I	500.2/Procedure I, II	500.3/Procedure I, II	500.4/Procedure I, II
High Temperature	501.1/Procedure I	501.2/Procedure I, II	501.3/Procedure I, II	501.4/Procedure I, II
Low Temperature	502.1/Procedure I	502.2/Procedure I	502.3/Procedure I, II	502.4/Procedure I, II
Temperature Shock	503.1/Procedure I	503.2/Procedure I	503.3/Procedure I	503.4/Procedure I, II
Solar Radiation	505.1/Procedure I	505.2/Procedure I Cat. A I	505.3/Procedure I Cat. A I	505.4/Procedure I Cat. A I
Rain	506.1/Procedure I, II	506.2/Procedure I, II	506.3/Procedure I, II	506.4/Procedure I, III
Humidity	507.1/Procedure I, II	507.2/Procedure I, III	507.3/Procedure II, III	507.4/Procedure I
Salt Fog	509.1/Procedure I	509.2/Procedure I	509.3/Procedure I	509.4/Procedure I
Dust	510.1/Procedure I	510.2/Procedure I	510.3/Procedure I	510.4/Procedure I, III
Vibration	514.2/Procedure X	514.3/Procedure I Cat. 10	514.4/Procedure I Cat. 10	514.4/Procedure I Cat. 24
Shock	516.2/Procedure I, II, V	516.3/Procedure I, IV	516.4/Procedure I, IV	516.5/Procedure I, V