

VZ™ Series

VZ-20 Portable Radio - UHF/VHF

Specification Sheet – APAC

The VZ-20 is a compact radio communication tool that is equipped with the essential features and quality standards to ensure that users can communicate with ease in mind.

Compact Form Factor

The form factor of this radio is designed to focus on vertical markets such as security, hospitality and retail. The compact size of this radio allows user to seamlessly integrate the radio into the existing business operations.

Simple and Reliable

Characteristic of Vertex Standard portable portfolio, the radio is engineered for ease of use with high quality assurance.

Versatile Scanning

With both scan and priority scan, user can be assured of flexibility of scan modes for better productivity.

Channel Announcement

Upon channel switching, the radio announces the current channel. Users can toggle between channels without having to look at the radio, thus improving work productivity.

Loud and Clear Audio

The 1-Watt speaker ensures important communications are conveyed in any noisy environment.

Li-Ion Battery Solutions

1800mAh Li-Ion energy solutions provide up to 13 hours of talk time with 5-5-90 duty cycle comprising 5% transmit, 5% receive and 90% standby.

2-Prong Pin Connector Accessories

The 2-prong pin side connector enables standard audio accessories to be used with this radio, thus lowering the overall cost of ownership.



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Additional Features

- Battery Status Indicator
- Battery Saver Mode
- Talkaround
- CTCSS/DCS Encode/Decode
- Channel Announcement
- Internal VOX (Voice Activated Transmit)
- 2-pin accessory connector
- Busy Channel Lockout (BCLO)
- Reverse Burst
- PTT ID

Accessories

- VZ Series Antenna 400-470MHz
- VZ Series Antenna 136-174MHz
- VZ Series Antenna 350-390MHz
- FNB-Z182Li Li-Ion 1800 mAh with Fixed Belt Clip
- VZ Series Belt Clip
- CV17 Desktop Charger

VZ-20 Specifications

	VHF	UHF
General Specification		
Frequency Range	136-174MHz	400-470 MHz 350-390MHz
Number of Channels	16	
Power Supply Voltage	7.4V nominal	
Channel Spacing	25/12.5 kHz	
Battery Life (5-5-90 duty w/battery saver) 1800mAh Li Ion Battery	13 hrs (analog)	
IP Rating	IP54	
Operating Temperature Range	-22° F to +140° F (-20° C to +60° C)	
Dimension (H x W x D)	109x60x37mm with 1800mAh Battery	
Weight (Approx.)	270g w/FNB-Z181Li Battery	
Receiver Specification		
Sensitivity	Analog 12 db SINAD: 0.22uV	
Adjacent Channel Selectivity	60 / 55 dB	
Intermodulation	60 / 55 dB	
Spurious and Image Rejection	70 dB	
Audio Output	1W @ 16 Ohms (INT)	
Hum and Noise	40 dB	
Conducted Spurious Emission	-57dBm for <1GHz -47dBm for >1GHz	
Transmitter Specification		
Output Power	5/1 Watt	4/1 Watt
Modulation Limiting	±2.5kHz	
Conducted Spurious Emissions	-36dBm for <1GHz -30dBm for >1GHz	
FM Hum and Noise	45 / 40 dB	
Audio Distortion	<3%	
Frequency Stability	±1.5ppm	

