

KENWOOD



P25 Mission Critical

VP6230/6330/6430

700/800 MHz • VHF • UHF Lo • UHF Hi (T-Band)
P25 PHASE 1 & 2 • FM ANALOG • SmartNet®/SmartZone®

New KENWOOD Viking 6000 series portable radio specifically designed for today's public safety agencies with advanced features and ergonomics to meet the first responder's mission critical operational needs.

MAIN FEATURES

- Public safety ergonomics: flare grip for total control, large glove friendly knobs, large emergency button
- Intrinsically safe
- Top display maximizes viewing while in a pouch or sling
- Fully ruggedized - IP67 & MIL-STD-810 C/D/E/F/G
- Large, color 1.74" (240 x 180 pixels) transfective TFT display for better use in direct sunlight & with use of polarized sunglasses
- Full key models (w/numeric keypad) & standard key models (w/o numeric keypad)
- Multi-line text
- Programmable A/B/C/D switch for intuitive control
- Built-In GPS receiver/antenna for enhanced situational awareness
- P25 Authentication
- Multi-key DES encryption
- 256-bit AES encryption
- ARC4™ encryption; compatible with ADP™
- OTAR (Over-The-Air Rekeying)
- Future option: Bluetooth®
- Future option: Man Down

SUPERIOR AUDIO QUALITY

- TrueVoice™ noise cancellation works in analog or digital, eliminates the need for programming noise profiles, and works with any accessory
- AMBE+2 version 1.6 vocoder using TIA's latest standards
- 1 Watt radio speaker for high noise environments
- Voice annunciation and custom voice announcement creation

ACCESSORIES

- Complete line of accessories including speaker mics, cases, batteries, antennas & chargers. *Download the accessory catalog at www.efjohnson.com/products/accessories.*

MULTI-PROTOCOL

- Trunked & conventional system protocols
- P25 Phase 1 & Phase 2
- Compatible with Motorola® System v 7.x, Motorola Astro® & SMARTNET® II/ SmartZone®
- MDC-1200 & GE-Star signaling
- Mixed protocol zones (each channel in a zone can be from a different system)

SMARTER ARMADA® FLEET MANAGEMENT

- Program from same template as other Viking radios (one template for ALL radios)
- P25 OTAP (Over-The-Air-Programming)
- Kiosk Mode remote programming
- Elite (wireless) battery management & centralized battery reports



VP6230/6330/6430 Portable SPECIFICATIONS

GENERAL		VP6230	VP6330	VP6430
Frequency Range		136-174 MHz	Type 1: 450-520 MHz Type 2: 380-470 MHz	RX: 763-776, 851-870 MHz TX: 763-776, 793-806, 806-825, 851-870 MHz
Max. Channels Per Radio		2048		
Number of Zones		255		
Max. Channels Per Zone		255		
Channel Spacing	Analog	12.5/15/20/25*/30* kHz	12.5/25* kHz	12.5/25 kHz
	Digital	12.5 kHz	12.5 kHz	12.5 kHz
Power Supply		7.5 V DC ±20%		
Operating Temperature		-22 °F to +140 °F (-30 °C to +60 °C)		
Frequency Stability		±1.5 ppm	±1.5 ppm	±1.5 ppm
Dimensions (H x W x D) (Target)	KNB-L2 (2,600 mAh)	5.89 x 2.75 (top) / 2.28 (bottom) x 1.73		
	KNB-L3 (3,400 mAh)	5.89 x 2.75 (top) / 2.28 (bottom) x 1.97		
Weight with Battery (Target)	KNB-L2 (2,600 mAh)	16.0 oz		
	KNB-L3 (3,400 mAh)	17.6 oz		

RECEIVER		VP6230	VP6330	VP6430
Sensitivity	P25 Digital (5% BER)	-119 dBm		
	Analog (12 dB SINAD)	-119 dBm		
Selectivity	P25 Digital	60 dB		
	Analog @ 12.5 kHz	65 dB		
	Analog @ 25 kHz	73 dB		
Intermodulation		73 dB		75 dB
Spurious Rejection		80 dB	75 dB	
Audio Distortion		3%		
Audio Output Power		500 mW/8 Ω (3% Distortion)/1,000 mW/8 Ω (5% Distortion)		
TRANSMITTER		VP6230	VP6330	VP6430
RF Power Output Power		6 to 1 W	5 to 1 W	3 to 1 W
Spurious Emission		-70 dB		
FM Hum & Noise	Analog @ 12.5 kHz	40 dB		
	Analog @ 25 kHz	45 dB		
Audio Distortion		2%		

MIL STANDARD	810C	810D	810E	810F	810G	MIL STANDARD	810C	810D	810E	810F	810G	INTERNATIONAL PROTECTION STANDARD	
Low Pressure	500.1/I	500.2/I, II	500.3/I, II	500.4/I, II	500.5/I, II	Humidity	507.1/I, II	507.2/II, III	507.3/II, III	507.4	507.5/II	Dust & Water	IP54, IP55
High Temperature	501.1/I, II	501.2/I, II	501.3/I, II	501.4/I, II	501.5/I, II	Salt Fog	509.1/I	509.2/I	509.3/I	509.4	509.5		
Low Temperature	502.1/I	502.2/I, II	502.3/I, II	502.4/I, II	502.5/I, II	Dust	510.1/I	510.2/I	510.3/I	510.4/I, III	510.5/I	Immersion	IP67
Temp. Shock	503.1/I	503.2/I	503.3/I	503.4/I, II	503.5/I	Vibration	514.2/VIII, X	514.3/I	514.4/I	514.5/I	514.6/I		
Solar Radiation	505.1/I	505.2/I	505.3/I	505.4/I	505.5/I	Immersion	-	-	-	512.4/I	512.5/I		
Rain	506.1/I, II	506.2/I, II	506.3/I, II	506.4/I, III	506.5/I, III								

*25 and 30 kHz are not included in the models sold in the USA or US territories.

Specifications shown are typical and subject to change without notice Please check the website for the latest version.
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