



Viking Mobile Radio Comparison

VM5000 • VM6000 • VM7000 • VM8000

A practical side-by-side guide to help public-safety agencies choose the right Viking® mobile platform for

Feature availability may depend on band, configuration, firmware, licensing, and purchased options

Feature	VM5000	VM6000	VM7000	VM8000
Best fit	Flexible single-band mobile for standard fleet deployment	Remote-mount mission-critical mobile with premium control head	All-band, multi-deck command and interoperability platform	Multi-band, multi-protocol platform for converged fleets
Band architecture	Single-band: VHF, UHF, or 700/800 MHz	Single-band: VHF, UHF, or 700/800 MHz	Multi-deck; up to four bands displayed and received simultaneously	Single-deck multi-band; optional multi-deck operation with up to four RF decks
Protocols	P25 Phase 1 & 2, Viking16 / SmartNet® / SmartZone®, FM analog	P25 Phase 1 & 2, SmartNet® / SmartZone®, FM analog	P25 Phase 1 & 2, Viking16, FM analog	P25 Phase 1 & 2, DMR Tier II/III, NXDN® conventional/trunking, Viking16, FM analog
Channel capacity	1,024	1,024; 2,048 option	1,024; 2,048 and 4,096 options	1,024; 2,048, 4,096 and 6,411 options
Mounting & controls	Dash or remote mount; dual control heads supported	Remote mount; dual Viking control heads optional	Single or dual remote mount; enhanced or handheld control head	Dash or remote mount; single or dual control heads

	Wi-Fi® on remote-mount configurations; built-in GPS	Built-in GPS and P25 data	Wi-Fi, built-in GPS, OTIP programming	Dual-band Wi-Fi, Bluetooth® 5.0 / BLE, USB-C, built-in GPS, broadband data services
Audio & recording	TrueVoice™ noise cancellation; internal or external speaker	TrueVoice noise cancellation; external speaker	TrueVoice; select/unselect audio; voice recording and instant replay	TrueVoice; 15-watt external-speaker audio; voice recording and instant replay
Security	ARC4, DES-OFB, AES-256, OTAR	ARC4, DES-OFB, AES-256, OTAR	ARC4, DES-OFB, AES-256, single/multi-key OTAR	ARC4, DES-OFB, AES-256; FIPS 140-3 options; single/multi-key OTAR
Standout capability	Balanced feature set with the broadest mounting flexibility	Sunlight-readable premium interface in a remote-mount design	Simultaneous multi-band monitoring, cross-band repeat, and advanced command audio	Broadest protocol coverage, modern wireless connectivity, and scalable RF architecture
Choose it when...	You need a dependable P25 fleet radio with dash/remote flexibility	You prioritize remote installation and an operator-focused control head	You need command-level multi-band interoperability and simultaneous monitoring	You want one forward-looking platform for P25, DMR, NXDN, Wi-Fi, and Bluetooth

Quick recommendation: VM5000 for versatile fleet installations; VM6000 for premium remote-mount operation; VM7000 for multi-band command vehicles; VM8000 for the widest protocol and connectivity roadmap.