



RaVEN-M

RaVEN-Mobile Surveillance Capability



Telephonics' RaVEN[®]-Mobile Surveillance Capability (RaVEN-M) is a fully integrated and rapidly deployable surveillance system, capable of operating as either a stand-alone system or networked to create a virtual fence. System flexibility allows the RaVEN-M to be equally effective in all terrains and environments.

ThreatSTALKER Command and Control

As surveillance requirements grow, so does the need for expanded Command and Control (C₂) system capabilities. With the click of a mouse, ThreatSTALKER[®], Telephonics' C₂ system, manages Wide Areas of Surveillance (WAS) with multiple targets of interest, providing operators of this proactive surveillance system the advantage of knowing where a target originated and where it is destined. This enables interventions to be coordinated based on each individual threat. Additionally, the built-in scalability and compatibility of the ThreatSTALKER system allows for the seamless integration of new and legacy assets.

Support and Training

Telephonics provides detailed user support for both the ThreatSTALKER C₂ system and the sensor suite, enhancing operator effectiveness. Operators receive classroom instruction, as well as hands-on field training and support to ensure successful operations.



RaVEN[®]-Mobile Surveillance Capability (MSC)

Integrated Logistics Support (ILS) and Preventative Maintenance (PM) are instrumental to the success of any program and Telephonics can design, as well as implement, a tailor-made ILS and PM program for operator assurance. With our extensive support and training programs, Telephonics provides operators with the confidence that RaVEN-M is operating at its maximum performance level.

RaVEN-Mobile Surveillance Capability

Technical Specifications

Platform/Skid:	Weight	3,800 lb.	
	Material	Aluminum	
Mast:	Setup time	25 minutes	
	Height	18 ft. std, 30 ft. optional	
	Mechanism	Hydraulic	
Power:	Onboard battery	12/24 V	
	Shore power	110/220 VAC	
Generator:	8.0 kW		
Fuel Capacity:	12-36 gal		
Charging System:	Battery	Yes	
	Solar	Optional	
	Shore power	Yes	
Communications:	Cellular network	Optional	
	Wireless	Optional	
	Network ready	Yes	
Standard Sensor Suite	Radar target detection range	Single walker	10 to 12 km*
		Two to three walkers	12 to 14 km
		Small vehicles	18 km
		SUVs	24 km
		Large vehicles	30 km
		Helicopter	Yes
		Small aircraft	Yes
		Small water craft	Yes
	Night camera	Human identification range	12 km
		Auto-focus	Yes
		Wavelength band	3-5 mm
		Focal length	1,000 mm
	Day camera	Human identification range	10 km
		Color	Yes
	Pan and tilt	Type	Dual axis
		360° Azimuth	Yes
	Image stabilization	Yes	
	Differential GPS	Yes	
	Laser pointer	Wavelength	830 NM
		Viewable with NV goggle	Yes
Viewable with day camera		Yes	
Testing:	MIL-STD-810F	Yes	

*Note: Calibrated 0.5m² Radar Cross Section (RCS), at mast elevation of 10 meters



Raven-M configuration



Command & Control Station (C₂)

For additional information, contact Telephonics at 631.755.7000 or visit www.telephonics.com.