



MVSS Deployed

FLIR MVSS

Mobile Vehicle Surveillance System

Mobile Vehicle Surveillance System (MVSS) is a rugged, full featured mobile surveillance system that provides rapid deployment and maneuvering capability unlike any other system available today. Sensor packages along with command and control software are mounted on an industry tested vehicle, transforming the cab of the vehicle into the command center. Available in multiple range configurations, MVSS also networks its sensors with other FLIR vehicles and command and control nodes, providing unparalleled perimeter security capability. Guarding borders and critical infrastructure throughout the world is a crucial mission, and MVSS is the most trusted mobile, long range perimeter security system available.

APPLICATIONS

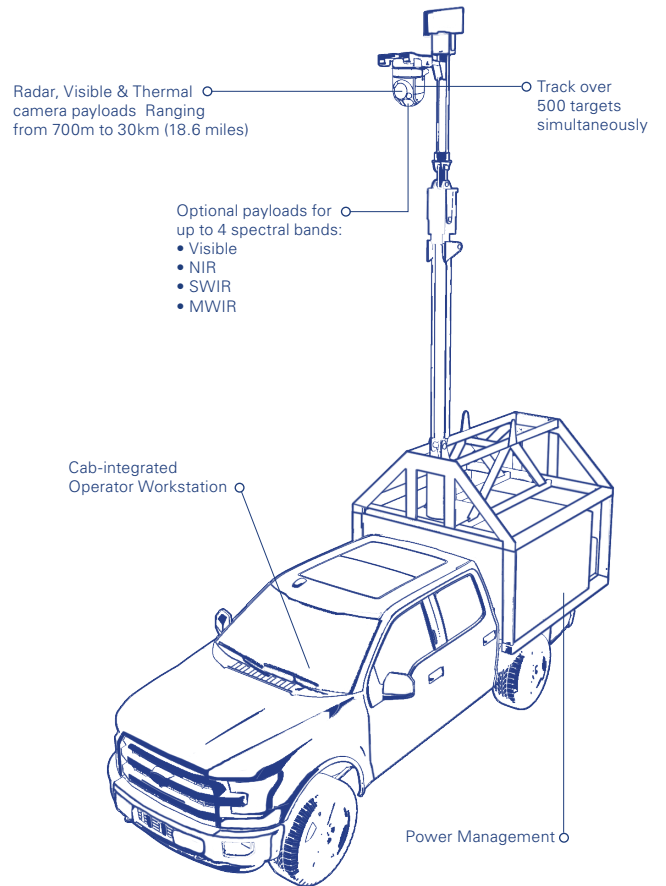
- Force Protection
- Border Surveillance
- Tactical Reconnaissance
- Pipeline Security
- Mobile Security
- Target Tracking
- Long Range Surveillance

KEY FEATURES

- Radar and visible/thermal camera payloads ranging up to 30km (18.6 mi), with slew-to-cue of cameras to radar tracks
- Optional Payloads cover up to four spectral bands including visible, near-IR (NIR), short-wave IR (SWIR) and mid-wave IR (MWIR) bands
- Option for All-digital, High Definition 1080P/720P for all video channels
- Track over 500 targets at the same time
- Laser Designator, Laser Rangefinder, Laser Pointer, and Illuminator options
- Optional wireless system provides other personnel, vehicles and C2 systems with target bearing and geo-referenced coordinates, identifying the precise location and direction of the target

Specifications

Radar Options	
FMCW and Doppler options, Ka and X band, ranging up to 60km	
Camera Options	
Field of View (FOV)	0.5 degrees to 40 degrees
Focal Length	13 mm to 1200 mm
Camera Wavelength Options	
High Definition Imaging	Mid-Wave Infrared (MWIR) Visible/LowLight Near Infrared (NIR) Short Wave Infrared (SWIR)
Payload Options	
Lasers	Laser Designator Laser Rangefinder Laser Pointer (NIR & SWIR wavelength)
Illuminators	NIR & SWIR wavelength
Command & Control	
Cameleon™ Tactical	Track blending of multiple sensors, slew-to-cue of radar to camera, mapping functionality, zone management, video archiving and distribution, and alarm notification and management
Simultaneously Tracking	>500 Targets
General	
Power Options	Battery, Generator and Shore Power
Length	291 in. (739 cm)
Width	96 in. (244 cm)
Height (mast stowed)	148 in. (376 cm)
Height (mast deployed at maximum, leveling jacks deployed)	312 in. (793 cm)
Standard Features	
Silent Mode operation	
Hydraulic Leveling System	
Differential GPS	
Close-in CCTV Cameras	
Roof Mounted Air Conditioner	
Weather Station	
Generator	
Shore Power Connection	
Winch and Tow Hitch, Spare Tire	
Inclinometer	
Cab-integrated Operator Workstation	
Dual 17 inch displays	
System Management Unit with a Touchscreen Display	



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