



MOBILE VEHICLE SURVEILLANCE SYSTEM

FLIR MVSS

The MVSS is a rugged, multi-spectral mobile surveillance system that provides rapid deployment and unmatched maneuverability. Multiple sensor packages along with command and control software are integrated into an industry-tested vehicle, transforming the cab into the command center. Available in multiple range configurations, MVSS can also network its sensors with other FLIR vehicles and command and control nodes. It's the most trusted mobile, long-range perimeter security system available.

Built to support force protection, border surveillance, ISR, and target tracking as well as long-range perimeter security, MVSS integrates radar and visible/thermal camera payloads ranging up to 30 km with slew-to-cue of cameras to radar tracks. Laser designator, laser rangefinder, laser pointer, and illuminator combined with an optional wireless system provides other personnel, vehicles, and C2 systems with target bearing and geo-reference coordinates to identify precision location and direction of the target.

FEATURES

WIDE AREA SITUATIONAL AWARENESS

HD EO/IR and FMCW Radar provide 360° long range threat detection out to 30km.

HD CAMERA WAVELENGTH OPTIONS

Combine mid-wave infrared (MWIR) with visible/lowlight cameras, near IR and/or SWIR to cover up to four spectral bands.

INTEGRATED COMMAND & CONTROL

Cameleon™ Tactical tracks blending of multiple sensors, slew-to-cue of camera to radar, mapping functionality, zone management, video archiving/distribution and alarms.

RUGGED, RELIABLE, AND ERGONOMIC

All operation is from the comfort of the truck – no need to ever leave the cab. MVSS is designed based on proven military-qualified experience and operates in the most rigorous environments.

CONTINUOUS PERIMETER SECURITY

Detect and track more than 500 targets simultaneously over a full 360°, 24/7.

APPLICATIONS

FORCE PROTECTION

BORDER SURVEILLANCE

TACTICAL RECONNAISSANCE

PIPELINE SECURITY

MOBILE SECURITY

TARGET TRACKING

LONG RANGE SURVEILLANCE

SPECIFICATIONS

Radar Options

FMCW and Doppler options, Ka and X band, Drone and Ground Surveillance Panel
Radars 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)
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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 camera to radar, 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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The World's Sixth Sense®