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.

**MOBILE VEHICLE SURVEILLANCE SYSTEM**

**FLIR MVSS**

**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)

#### 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

#### 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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