Protecting vast, remote borders, shorelines, and forward-operating bases calls for speed, mobility, and flexibility. Maximizing the power of a limited number of personnel is also critical. The skid-based FLIR LVSS converts a full-sized commercial pickup into a rapidly deployable command and control center. With radar and EO/IR cameras mounted to its 16-foot mast, LVSS provides efficient surveillance coverage throughout your mission to guard against smuggling, terrorism, and illegal immigration – day and night.

A single operator can deploy, operate, stow, and relocate – all from the cab of a truck. The operator console mounts between two front seats of a truck, allowing for operation from either location. Featuring two 17” HD displays, mouse, keyboard, and camera remote controller, the console can be easily and securely stowed for rapid deployment. Choose from multiple payload options, including radars, thermal imagers, lasers, illuminators, GPS, weather station, inclinometers, and perimeter intrusion sensors.

**FEATURES**

**MISSION-READY IN MINUTES**
The system deploys in less than 30 seconds by one operator with no tools and is ready to use in one minute. Easy, single-operator control of sensor and radar payloads.

**COVERT, NIMBLE MOBILITY**
When it’s time to relocate, the 16-foot mast retracts and stows out of sight in less than 30 seconds under protective cover for transporting.

**RUGGED, RELIABLE, AND ERGONOMIC**
Take command and control from the comfort of the cab. LVSS design is based on proven military-qualified experience in the most rigorous environments.

**TRACK OVER 500 TARGETS SIMULTANEOUSLY**
Cameleon™ Tactical tracks blending of multiple sensors, slew-to-cue of camera to radar, mapping, zone management, video archiving, and alarm notification and management.

**MULTIPLE PAYLOAD OPTIONS**
Customize payload based on mission. Choose from radars, thermal imagers, lasers, illuminators, GPS, weather station, inclinometers, and perimeter intrusion sensors.

**APPLICATIONS**

**FORCE PROTECTION**

**BORDER SURVEILLANCE**

**TACTICAL RECONNAISSANCE**

**PIPELINE SECURITY**

**MOBILE SECURITY**

**TARGET TRACKING**

**LONG RANGE SURVEILLANCE**
## Specifications

### Radar Options
- **Option 1**: R6SS and R8SS Mid-Range Ground Surveillance Panel Radar
- **Option 2**: R6SS-3D and R8SS-3D Mid-Range Drone and Ground Surveillance Panel Radar
- **Option 3**: R20SS Long Range Ground Surveillance Radar

### Camera Options
- **Option 1**: TacFLIR-230
- **Option 2**: TacFLIR-280HD
- **Option 3**: TacFLIR-380HD

### Camera Wavelength Options
- High Definition (HD) Mid-Wave Infrared (MWIR), Short Wave Infrared (SWIR), HD Color Zoom

### Payload Options
- **Lasers**: Laser Rangefinder, Laser Pointer (NIR wavelength)
- **Illuminators**: NIR wavelength
- **Other Sensors**: Differential GPS, Weather Station, Inclinometers, Perimeter Intrusion

### 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
- **Operator Console**: Easily integrated in between the front driver and passenger seats, allowing for system operation from either location. The operator’s console provides two 17” HD displays, mouse, keyboard, and camera remote controller that can be easily and securely stowed for rapid deployment.

### Environmental
- **Power Options**: Battery, Vehicle and Shore Power, Portable Generator
- **Length**: 67 in. (170 cm)
- **Width**: 85 in. (165 cm)
- **Height (mast stowed)**: 22 in. (56 cm)
- **Height (mast deployed)**: 16 ft. (4.9m) mounted on an F-150 truck (or similar)

### Deployment
- **Mast Deploy and Fully Operational**: < 60 seconds
- **System and Mast Stow**: < 30 seconds

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[Image of radar system in action]

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