Protecting vast and remote borders, shorelines, and forward-operating bases requires speed, mobility and flexibility. Maximizing the power of a limited number of personnel is also critical. FLIR LVSS provides the one-man efficiency you need to cover multiple threat areas throughout your mission to guard against smuggling, terrorism, and illegal immigration – day and night. The skid-based LVSS converts a standard commercial pickup into a rapidly deployable command and control center. In less than one minute, a single operator can set up the LVSS and report for full perimeter duty from the comfort of the cab. When it’s time to relocate, the mast and its mounted FLIR cameras, radar, and sensors, stow out of sight for covert transportation.
Easy, single operator set-up
Deploy in less than 30 seconds

Mast fully retracts for covert travel

Sled based integration for any commercial truck

Engine-off silent mode for stealthier surveillance

Supports EO/IR surveillance sensors and radars

Cab-based control protects operator from the elements

Mast fully retracts for covert travel
MISSION: BORDER SURVEILLANCE

PROBLEM
• Remote entry points
• Vast areas to cover
• Limited personnel
• Extreme conditions
• Clever crawlers
• Potential threats in disguise

SOLUTION
• Covert
• Rapid deployment
• Nimble mobility
• Operator comfort
• Long-range detection
• Early warning
• Swift identification

BORDER DETECTION RANGE
IDENTIFICATION RANGE
DEPLOYED LVSS

SMALL VESSEL

DETECTION RANGE
IDENTIFICATION RANGE
DEPLOYED LVSS

CRAWLER

WALKER

VEHICLE
MISSION: COASTAL SURVEILLANCE

PROBLEM
- Long shorelines
- Massive port facilities
- Small crew
- Maritime weather
- Nefarious swimmers
- Cloaked small craft
- Shady ships

SOLUTION
- Wide coverage
- Mobile flexibility
- Single operator
- Dry, warm truck cab
- Up to 20km + range
- Penetrates fog
- Instant detection

DEPLOYED LVSS

IDENTIFICATION RANGE

16km

LARGE VESSEL

DETECTION RANGE

35km

SMALL VESSEL

12km

20km
MISSION: **FORCE PROTECTION**

**PROBLEM**
- Vast bases
- Vulnerable green zones
- Finite patrol force
- Arid environment
- Suspicious vehicles
- Armed militants
- IEDs

**SOLUTION**
- Single operator deployment
- Air-conditioned
- HD IR, EO, SWIR, LLTV imaging
- RADAR detection
- Preemptive action

**GREEN ZONE**
- Vast bases
- Vulnerable green zones
- Finite patrol force
- Arid environment
- Suspicious vehicles
- Armed militants
- IEDs
<table>
<thead>
<tr>
<th>Radar Options</th>
<th>Camera Options</th>
<th>Payload Options</th>
<th>Command &amp; Control</th>
</tr>
</thead>
<tbody>
<tr>
<td>Option 1 R6SS-FMCW X-Band</td>
<td>Option 1 TacFLIR-230</td>
<td>Lasers Laser Rangefinder</td>
<td>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</td>
</tr>
<tr>
<td></td>
<td>Option 2 R20SS-FMCW X-Band</td>
<td>Laser Pointer (NIR wavelength)</td>
<td>Simultaneously Tracking &gt;500 Targets</td>
</tr>
<tr>
<td></td>
<td>Option 3 TacFLIR-380HD</td>
<td>Illuminators NIR wavelength</td>
<td>Operator Console Easily integrated in between the front driver and passenger seats, allowing for system operation from either location. The operators console provides two 17” HD displays, mouse, keyboard, and camera remote controller that can be easily and securely stowed for rapid deployment.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Other Sensors Differential GPS, Weather Station, Inclinometers, Perimeter Intrusion</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Camera Wavelength Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>High Definition (HD) Mid-Wave Infrared (MWIR), Short Wave Infrared (SWIR), HD Color Zoom</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Environmental</th>
</tr>
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<tbody>
<tr>
<td>Power Options Battery, Vehicle and Shore Power, Portable Generator</td>
</tr>
<tr>
<td>Length 67 in. (170 cm)</td>
</tr>
<tr>
<td>Width 65 in. (165 cm)</td>
</tr>
<tr>
<td>Height (mast stowed) 22 in. (56 cm)</td>
</tr>
<tr>
<td>Height (mast deployed) 16 ft. (4.9m) mounted on an F-150 truck (or similar)</td>
</tr>
</tbody>
</table>

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<tr>
<th>Deployment</th>
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<tr>
<td>Fully Configured Vehicle &lt; 60 min.</td>
</tr>
<tr>
<td>Mast Deploy &amp; Stow Time &lt; 30 min.</td>
</tr>
</tbody>
</table>

**AT HOME AND AROUND THE WORLD**

**OUR COMMITMENT TO SERVICE AND SUPPORT:**

**ENSURING MISSION SUCCESS NOW AND INTO THE FUTURE**

**NORTH AMERICA**
- Wilsonville, OR USA
- Chelmsford, MA USA
- Elkridge, MD USA
- North Billerica, MA USA
- Jacksonville, FL USA
- Tucson, AZ USA
- Waterloo, ON CA
- Dartmouth, NS CA
- Laval, QC CA

**SOUTH AMERICA**
- Sorocaba, BR
- Sao Paulo, BR
- Bogota, CO

**EUROPE**
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- West Malling, UK
- Taby, SE
- Furstenfeldbruck, DE
- Istanbul, TR
- Rome, IT
- Madrid, ES

**MIDDLE EAST**
- Dubai, AE

**AFRICA**
- Pretoria, ZA

**ASIA PACIFIC**
- Adelaide, AU
- Seoul, KR
- Kaohsiung City, TW
- Tokyo, JP
- Kuala Lumpur, MY