Cerberus is a rugged, trailer-based integrated long-range mobile surveillance system that rapidly deploys in austere and environmentally challenging environments to provide unmanned remote perimeter surveillance for weeks at a time. Available in multiple range configurations, Cerberus also networks its sensors with other Cerberus units, FLIR vehicles, and command and control nodes, providing unparalleled wide area perimeter security capability.

Built to support force protection, border surveillance, ISR, and target tracking as well as long-range perimeter security, Cerberus 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 provide other personnel, vehicles, and C2 systems with target bearing and geo-reference coordinates to identify precise 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 30 km.

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

- **MULTIPLE POWER OPTIONS**
  Run Cerberus on a generator, battery, shore power, or solar power.

- **CONTINUOUS PERIMETER SECURITY**
  Detect and track more than 500 targets simultaneously with radar, and identify and classify threats with imaging sensors.

**APPLICATIONS**

- **AIRPORT SECURITY**
- **MILITARY FLIGHT LINE SECURITY**
- **PORT SECURITY**
- **PETROCHEMICAL FACILITY PROTECTION**
- **CRITICAL INFRASTRUCTURE PROTECTION**
- **PIPELINE SECURITY**
- **BORDER SECURITY**
### SPECIFICATIONS

**Radar Options**
FMCW and Doppler options, Ka and X band, ranging from 700 m to 60 km

**Camera Options**

<table>
<thead>
<tr>
<th>Field of View (FOV)</th>
<th>0.5 degrees to 40 degrees</th>
</tr>
</thead>
<tbody>
<tr>
<td>Focal Length</td>
<td>13 mm to 1200 mm</td>
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</tbody>
</table>

**Camera Wavelength Options**

- High Definition Imaging
  - High Definition (HD) Mid-Wave Infrared (MWIR)
  - HD Long-Wave Infrared (LWIR)
  - Short Wave Infrared (SWIR)
  - HD Color Zoom and Color Night Vision (CNV)

**Payload Options**

- Lasers
  - Laser Designator
  - Laser Rangefinder
  - Laser Pointer (NIR & SWIR wavelength)

- Illuminators
  - NIR & SWIR wavelength

**Command & Control**

- Cameleon™ Tactical
  - Track fusion 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

**Environmental**

- Power Options
  - Generator, Battery, Shore Power and Solar

- Length (Trailer)
  - 175 in. (444.5 cm) including the tongue

- Width (Trailer)
  - 87 in. (221 cm)

- Trailer Height (mast stowed)
  - 82 in (208.3 cm) no payload

- Trailer Height (mast deployed)
  - 243 in (617.2 cm) no payload

- Mast Height (stowed)
  - 47 in (119.4 cm)

- Mast Height (deployed)
  - 19 FT (5.8 m)

- Weight
  - Approximately 4200 lbs (1900 Kg)

**Standard Features**

- Silent Mode Operation
- Differential GPS
- Weather Station
- Shore Power Connection
- Operator Control Panel

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18-0882-SUR-LND-Cerberus-SpecsheetLTR