The FLIR ThermoSight® V4000E is a cooled midwave infrared (MWIR) sight for long-range remote weapon systems designed to maximize performance and stand off range at an affordable price point. It has a wide field of view of 10 degrees to scan the scene for threats and targets, and a narrow 2 degrees field of view for target assessment and accurate aiming. Loaded with FLIR advanced image processing algorithms, the system helps provide reliable image clarity through the entire shooting sequence under various conditions, and minimizes time to accurate shot. Mission ready and field proven by the US Army.

The FLIR ThermoSight® V4000E has superior automatic detail enhancement (ADE), better handling of noise amplification, improved renderings for hot objects, minimized halo effects and more to help the operator achieve faster and more accurate target detection and identification without manual adjustment.

**Features**
- **Great Standoff Range**
  Provides the ability to identify a tank target at nearly 4km (2.5 mi) thanks to its powerful optics and a cooled MWIR detector.
- **Accurate Aiming Solution**
  Perfect solution for accurate aiming with longer range, larger caliber weapon systems such as 30mm as well as for missiles such as the Javelin.
- **Field Proven**
  In use with the US Army, and tested and qualified to MIL-STD 810.
- **Efficient**
  Requires little or no manual tuning thanks to FLIR advanced image processing algorithms.
- **Powerful Performance**
  Powerful long range performance in a relatively small package.

**Applications**
- **Reconnaissance**
- **Force Protection**
- **Target Acquisition**
**SYSTEM CHARACTERISTICS**

<table>
<thead>
<tr>
<th><strong>THERMAL IMAGER</strong></th>
<th><strong>FLIR THERMOSIGHT® V4000E</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensor Technology</td>
<td>Indium Antimonide (InSb)</td>
</tr>
<tr>
<td>Array Format</td>
<td>640 x 480 pixels</td>
</tr>
<tr>
<td>Spectral Band</td>
<td>3-5 μm</td>
</tr>
<tr>
<td>Narrow Field of View</td>
<td>2° x 1.5°</td>
</tr>
<tr>
<td>Wide Field of view</td>
<td>10° x 7.5°</td>
</tr>
<tr>
<td>Focus</td>
<td>One shot Auto Focus and Manual Focus</td>
</tr>
</tbody>
</table>

**VIDEO OUT**

- Video format: PAL or NTSC
- Video latency: ≤40ms

**INTERFACING**

- Input Voltage: 19-29 VDC
- Consumption: Average <31 W, peak <42 W

**SIZE AND WEIGHT**

- Depth: 290 mm / 11.4 in (approx.)
- Width: 172 mm / 6.7 in (approx.)
- Height: 180 mm / 7 in (approx.)
- Weight: Approx 5kg / 11lbs

**ENVIRONMENTAL**

- Operating Temperature Range: -40°C to +55°C, MIL-STD 810
- Non-Operating Temperature Range: -48°C to +71°C, MIL-STD 810
- Ballistic shock: IAW MIL-STD-810, Method 522.1