With large gimbal-level performance and turret weight of only 28 kg, the UltraFORCE 350-HD’s trusted multi-spectral HD imaging performance is optimized for airborne homeland security, combat, patrol, ALE, surveillance, reconnaissance, and search and rescue programs. This durable surveillance system, built to endure long missions, mounts on rotary-wing, fixed-wing, and unmanned airborne platforms. Built in Europe with no U.S.-sourced components, the UltraFORCE 350-HD is ITAR-free, increasing exportability and freedom of movement within Europe.

The UltraFORCE 350-HD delivers high-quality, real-time full motion video (FMV) from manned and unmanned airborne platforms. It provides long-range identification and covert operation at high standoff ranges. Flexible payload options offer high-value metadata from a MWIR thermal imager, HD color camera with 20x zoom, and multiple spotter and laser options. Full MISB/STANAG-compliant embedded metadata offers plug and play compatibility with ancillary systems via industry standard interfaces. Single LRU simplifies installation, and integrated IMU and GPS provide accurate geo-referencing for peripheral moving maps or other mission systems.
### SPECIFICATIONS

#### Thermal Imaging Performance

<table>
<thead>
<tr>
<th>Sensor Type</th>
<th>3rd gen 640 x 512 3-5 μm MCT focal plane array</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Image Enhancements</strong></td>
<td>Non Uniformity Correction, Bad Pixel Replacement, AGC (Automatic Gain Control), Histogram, Equalization, Digital Details Enhancement (Tunable)</td>
</tr>
</tbody>
</table>
| **FOV**                          | Wide: 17.3° to 13.6°  
Medium: 5° to 4°  
Narrow: 1.2° to 0.9° |
| **Ezoom**                        | 2x |

#### Daylight Imaging Performance

<table>
<thead>
<tr>
<th>Sensor</th>
<th>High Definition CMOS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Resolution</strong></td>
<td>1080x720 or 1920x1080</td>
</tr>
<tr>
<td><strong>FOV</strong></td>
<td>Continuous zoom 45° to 2.3°</td>
</tr>
<tr>
<td><strong>Minimum Illumination</strong></td>
<td>0.01 lux color; 0.008 lux monochrome</td>
</tr>
</tbody>
</table>

#### Spotter Scope Option

<table>
<thead>
<tr>
<th>Sensor Type</th>
<th>CMOS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FOV</strong></td>
<td>25.4° to 0.79° continuous zoom</td>
</tr>
<tr>
<td><strong>Sensitivity</strong></td>
<td>1 Lux</td>
</tr>
</tbody>
</table>

#### Gimbal Specifications

<table>
<thead>
<tr>
<th>LOS Pan range</th>
<th>360 degrees continuous</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOS Tilt range</td>
<td>+20 / -120 degrees</td>
</tr>
<tr>
<td>A2/EL slew rate</td>
<td>Up to 60°/s</td>
</tr>
<tr>
<td>Stow</td>
<td>Magnetically held in stow position</td>
</tr>
</tbody>
</table>

#### Electronics Control Unit

| Hand Controller Unit | 0.8 kg, 230 mm Height |

#### Interfaces

ARINC 429, RS232/422 and other interfaces to support navigation systems, moving maps, radars, searchlights, and GPS

#### Outputs

<table>
<thead>
<tr>
<th>Video</th>
<th>HD-SDI 720p / 1080p</th>
</tr>
</thead>
</table>

#### Power

| Power requirements | 22-30 VDC < 170 W, 100 W typical |

#### Overview

<table>
<thead>
<tr>
<th>Gimbal size</th>
<th>350 mm (D) x 485 mm (H)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gimbal weight</td>
<td>≤ 30 kg</td>
</tr>
<tr>
<td>Environmental</td>
<td>RTCA DO-160E</td>
</tr>
</tbody>
</table>

#### Options

Auto-Tracker  
Laser Range Finder  
Laser Pointer (Covert)  
Eyesafe Visible Laser Pointer  
Laser Illuminator  
IMU Control Unit

### AMERICAS

FLIR Systems, Inc.  
Corporate Headquarters  
27700 SW Parkway Ave  
Wilsonville, OR 97070  
Office: +1 877.773.3547

FLIR Systems, Inc.  
DC Headquarters  
1201 S. Joyce Street  
Suite C006  
Arlington, VA 22202  
Office: +1 703.682.3400

### EUROPE

FLIR Systems  
2 Kings Hill Avenue - Kings Hill  
West Malling, Kent ME19 4AQ  
United Kingdom  
Office: +44 (0)1732 220 011  
Fax: +44 (0)1732 843 707

FLIR Systems AB  
Antennvägen 6,  
PO Box 737  
SE-187 66 Täby  
Sweden  
Office: +46 (0)8 753 25 00

### MIDDLE EAST

FLIR Systems B.V. - Abu Dhabi  
Wadi Al Fey St.  
Building 60, Office # 302  
New Ministries Exit / Khalifa Park Area  
Abu Dhabi, U.A.E.  
Office: +971 2 666 1561  
e-Fax: +1 503 914 1591

FLIR Systems Saudi Arabia  
Office 127, First Floor  
Akaria Plaza Building, Olaya Street  
Riyadh, 11481, Saudi Arabia  
Office: +966 11 464 5323  
Fax: +966 11 464 0438

### ASIA

FLIR Systems Japan K.K.  
Meguro Tokyo Bldg. SF,  
2-13-17 Kami-Osaki, Shinagawa-ku.  
Tokyo, 141-0021, Japan  
Office: +81-3-6721-6648

For More Information contact  
surveillance_sales@flir.com

www.flir.com  
NASDAQ: FLIR

Equipment described herein pertains to a European Union origin product that is controlled as dual-use item by the European Union government. It may be subject to US Jurisdictions when in the United States or possessed by a US person and may require authorization to re-transfer to or share with a foreign person (not a US Person). Imagery for illustration purposes only. Specifications are subject to change without notice. ©2020 FLIR Systems, Inc. All rights reserved. Revised 09/02/20

25-1183 SUR-31-06-012143 00 00