Dual Imager

Electro-optical and mid-wave infrared (MWIR) imagery in a single sortie.

Dual Imager combines an EO imager with an MWIR thermal camera to capture real-time daytime and nighttime intelligence without interrupting the mission. Operators are able to control the zoom level of each imager independently, and autonomous object tracking and picture-in-picture view let users quickly identify objects of interest and maintain positive identification for both stationary and moving targets. EO/IR imagery blending improves daytime and nighttime image interpretation for enhanced situational awareness.

**KEY FEATURES**
- Combines the capabilities of an electro-optical (EO) and a mid-wave infrared (MWIR) imager in one turret.
- Picture-in-picture view.
- EO/IR imagery blending.
- Independent zoom for each imager.
- Autonomous object tracking in both views.
- Laser marker (optional).
- Embedded Alticam Vision™ imaging system that eliminates in-flight vibrations.

**SPECIFICATIONS**

**GIMBAL**
- Tilt: 80° forward; 45° back
- Roll: Endless 360°
- Slew rate: 45°/sec
- Capability: MWIR imager, EO imager and optional laser marker

<table>
<thead>
<tr>
<th>Imagers</th>
<th>MWIR</th>
<th>EO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wavelength</td>
<td>3–5 μm</td>
<td>400–1,000 nm</td>
</tr>
<tr>
<td>Horizontal field-of-view</td>
<td>2°–25.6°</td>
<td>1.1°–25°</td>
</tr>
<tr>
<td>Zoom</td>
<td>12.5x continuous</td>
<td>36x continuous</td>
</tr>
<tr>
<td>Pixels</td>
<td>640 x 480</td>
<td>720 x 480</td>
</tr>
</tbody>
</table>

**LASER MARKER**
- 830 nm, 150 mW, 1.0 mrad

*Dual Imager is designed and produced by Hood Tech Corp, Vision Inc.
