Alticam 14
Enhanced ISR turret for Integrator™ UAS

The Alticam 14 advanced UAS payload provides market-leading full motion video collection and advanced targeting capabilities for Integrator unmanned aircraft. Through this groundbreaking achievement in design and engineering, customers can now utilize the high resolution, enhanced telescope and superior laser designation targeting capabilities previously only available in larger, higher-priced platforms.

Developed and produced with Hood Tech Corporation, Alticam 14 represents the latest in a long line of successful collaborations and integrations onto Insitu aircraft.

Decision-making superiority delivered
Why Alticam 14?

+ **Enhanced imagery**
  Discern details through unprecedented ground sample distance imagery from a Group 3 UAS. Continuous zoom from wide view to telescopic.

+ **Visibility through obscurants**
  See clearly where other systems cannot.

+ **Advanced targeting support**
  Precise geo-spatial targeting through laser designation.

+ **Multi-imager, multi-feed software**
  No more flipping between sensors. Maintain complete situational awareness through simultaneous multi-sensor feed viewing.

Three Variants

**ISR**
Multi-sensor turret includes electro-optic (EO) and mid-wave infrared (MWIR) telescopes for the highest resolution imagery yet.

**Multi-spectral**
Adds the ability to see through smoke, fog and haze at an extended range via a short-wave infrared (SWIR) telescope.

**Laser designation**
Adds STANAG-3733-compliant laser designator for advanced targeting support.

Specifications

<table>
<thead>
<tr>
<th>Image quality</th>
<th>Modalities:</th>
<th>Other benefits:</th>
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</thead>
<tbody>
<tr>
<td>+ EO continuous zoom field of view (FOV) 0.13-31.5 degrees (telescope optical FOV 0.13 degrees)</td>
<td>+ Electro-optic</td>
<td>+ Multiple, simultaneous video streams</td>
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<tr>
<td>+ MWIR continuous zoom field of view 0.65-22 degrees (telescope optical FOV .65 degrees)</td>
<td>+ Mid-wave infrared</td>
<td>+ Picture-in-picture display option</td>
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<tr>
<td>+ SWIR telescope optical field of view 0.57 degrees (option)</td>
<td>+ Short-wave infrared (option)</td>
<td>+ High-definition imagers</td>
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<tr>
<td></td>
<td>+ Continuous zoom telescope optics</td>
<td>+ Digital video output</td>
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<tr>
<td></td>
<td>+ Laser rangefinder</td>
<td>+ MISB-compliant metadata streams</td>
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<td></td>
<td>+ Laser pointer</td>
<td>+ Maritime auto-gain</td>
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<tr>
<td></td>
<td>+ Laser designator (option)</td>
<td>+ Bandwidth profiles for maximum data throughput</td>
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To learn more about how Alticam 14 and the rest of the Insitu family of products and services can satisfy your intelligence, surveillance and reconnaissance requirements, please contact us at solutions@insitu.com.

Some technologies are subject to US export laws and may require USG approval.