

Alticam 14

Enhanced ISR turret

Market-leading full motion video collection
and advanced targeting capabilities



UNMANNED AIRCRAFT SYSTEMS

KEY BENEFITS & FEATURES



Through groundbreaking achievement in design and engineering, customers can now utilize the high resolution, enhanced telescope and superior laser designation targeting capabilities in a Group 3 UAS platform.

Developed and produced in collaboration with Hood Tech Corporation.

Simultaneous feeds provide both situational awareness and detailed target inspection

Electro-optical (EO) telescope and zoom imagers are independently controlled, transmitted through simultaneous digital feeds, allowing operators to narrow in on a subject of interest such as a radio or weapon, while monitoring the broader situation.

Enhanced imagery

Unprecedented ground sample distance from undetectable range allows you to discern details at a farther and safer distance.

Visibility through obscurants

See clearly where other systems cannot.

Advanced targeting support

Precise geo-spatial targeting provided through a laser rangefinder, laser pointer and laser designator.

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 and laser pointer for advanced targeting support.



1.3 MILLION
FLIGHT HOURS

50
GLOBAL SITES
OF OPERATION

MODULAR
FAMILY OF
SYSTEMS

SERVICES,
ACQUISITION
AND FMS

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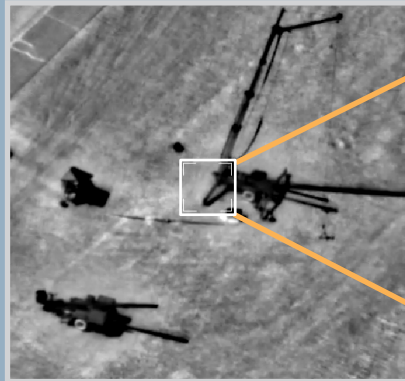
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Enhanced ISR turret

The highest resolution of any unmanned platform on the market



IMAGERY ADVANCEMENTS FROM PREVIOUS GENERATION TURRETS TO ALTICAM 14



Previous Generation Turret (EOIR4) 3000 AGL

MWIR



Integrator **Alticam 14** 3000 AGL



Previous Generation Turret (EOIR4) 3000 AGL

EO



Integrator **Alticam 14** 3000 AGL



SWIR IMAGERY
at 27nm from aircraft

SPECIFICATIONS

IMAGE QUALITY

- EO continuous zoom field of view (FOV) 0.13-31.5 degrees (telescope optical FOV 0.13 degrees)
- MWIR continuous zoom field of view 0.65-22 degrees (telescope optical FOV .65 degrees)
- SWIR telescope optical field of view 0.57 degrees (option)

CAPABILITIES

- Electro-optic
- Mid-wave infrared
- Short-wave infrared (option)
- Continuous zoom telescope optics
- Laser rangefinder
- Laser pointer
- Laser designator (option)

OTHER BENEFITS

- Multiple, simultaneous video streams
- Picture-in-picture display option
- High-definition imagers
- Digital video output
- MISB-compliant metadata streams
- Maritime auto-gain
- Bandwidth profiles for maximum data throughput