Alticam 14
Enhanced ISR turret

Market-leading full motion video collection and advanced targeting capabilities

UNMANNED AIRCRAFT SYSTEMS

KEY BENEFITS & FEATURES

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.

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.
Alticam 14
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

EO

INTEGRATOR ALTICAM 14
3000 AGL

SWIR IMAGERY
at 27nm from aircraft

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

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