



## ALTICAM 09 MWIR 3.5

### DETAILS

The 09 MWIR 3.5 provides exceptional day/night capability in a small, lightweight, low power solution. The low weight and power requirements will allow you to add multi-INT capability to your platform. This turret also provides on-board AVS (Alticam Video Processing) which enhances the capability of the turret by providing stabilization, tracking, de-jitter and more.

Hood Tech offers a complete solution to your payload needs with in house engineering and production. Your problem is our inspiration—we provide exceptional solutions for your imaging needs.

- Mid-wave infrared (MWIR) and electro-optical (EO) imaging
- Optional laser pointer
- Gyro-stabilized gimbal system
- Multiple operating modes
- Onboard Alticam video processing board (AVS)
- Target tracking
- Picture-in-picture (PiP)
- Articulated nose enclosure
- Designed for small unmanned aerial vehicles (UAV's) – also used on piloted planes, blimps, ground vehicles and unmanned surface vehicles



ScanEagle® is a product of Insitu Inc.

## ALTI-CAM 09 MWIR 3.5

### SPECIFICATIONS

GIMBAL	
Weight	2,730 gm (3,400 gm with nose enclosure)
Dimensions	30 cm length x 20 cm Ø cylinder
Gimbal Sequence	Roll-over-tilt
Tilt	80° forward; 45° back
Pan	360° (endless)
Slew Rate	50°/sec
Performance @ 1 Hz & 2 Hz	59 dB and 56 dB attenuation
Power Supply Range	12-36 VDC, 26 w continuous, 32 w Peak
Communication	AltiCam command set, Serial communication, 57,600 bps, Optional UDP
Capability	MWIR imager, EO imager and laser pointer

IMAGER MWIR	
Wavelength	3.3-5.3 µm
Horizontal Field of View	1.6°-22°
Zoom	12X continuous
Pixels	640 x 512
Video Output	Composite NTSC
IMAGER EO	
Wavelength	400 - 900 nm
Field of View	1.1° - 31.5°
Pixels	1280 x 720
Analog Video Output	Composite NTSC
VIDEO PROCESSING & OUTPUT	
Onboard Video Processing	De-jitter, auto-tracking, sharpness, de-noise, equalization, and contrast enhancement
Digital Video Output	H.264 with encapsulated KLV metadata Frame rate: 5 fps to 15 fps Bitrate: 500 kbps to 6 Mbps



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Hood Technology designs, builds, and sells stabilized turrets that incorporate electro-optical cameras, infrared imagers, laser markers and designators, and many other sensor payloads. Hood Technology imaging systems offer sophisticated capabilities developed to address a full range of military and civilian needs. The systems can accurately lock onto a target and carefully observe it while mounted to a constantly moving, high performance platform.

Hood Technology has sold over 5,000 turrets and provided EO/IR imagery for over 780,000 operational flight hours in rugged and austere conditions.