



ALTICAM **09 EOIR2** DETAILS

The 09 EOIR1 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)
- 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.

ALTICAM 09 EOIR2 SPECIFICATIONS

GIMBAL	
Weight	2,700 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	39 dB and 38 dB attenuation
Power Supply Range	12-14.4 VDC, 26 w continuous, 32 w Peak
Communication	Serial communication, 57,600 bps, AltiCam command set
Capability	MWIR imager, EO imager and laser pointer

IMAGER MWIR	
Wavelength	3-5 µm
Horizontal Field of View	1.7°-25.5°
Zoom	12.5X continuous
Pixels	640 x 480
Video Output	Composite NTSC
Onboard Video Processing	De-jitter, auto-tracking, sharpness, de-noise, equalization, and contrast enhancement

IMAGER EO	
Wavelength	400 - 900 nm
Field of View	1.1° - 31.5°
Pixels	1280 x 720
Analog Video Output	Composite NTSC
Digital Video Output (Optional)	H.264 with encapsulated KLV metadata Frame rate: 5 fps to 15 fps (30fps with optional AVN PCB) 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.