

ALTICAM

05 EO1

DETAILS

The system features pan-over-tilt imaging, ideal for small UAS requiring exceptional electro-optical (EO) video that uses lower power. This leaves extra space and power for multiple intelligence (Multi-INT) sensor configurations on the same platforms. The 4-axis, gyro-stabilized gimbal system includes coordinate hold mode as well as embedded video stabilization and tracking. The 05 EO1 provides a variety of different mounting solutions.

- Electro optical (EO) imaging
- Gyro stabilized gimbal system with coordinate hold mode
- Compatible with small aircraft (manned or unmanned) and other small platforms
- Embedded video stabilization and tracking
- Embedded video server and network interface(optional)
- Dual mode operation: network/serial & analog video
 - 05EO1 network/serial OR analog video
 - 05EO2 network/serial AND analog video
- Drop-in replacement for AltiCam06 AltiCam07
 - Better optics
 - Improved stabilization
 - Fits in a 6" dome, 0.3kg lighter

ALTICAM O5 EO1

SPECIFICATIONS



ScanEagle® is a product of Insitu Inc.

GIMBAL

Weight	0.750 kg
Dimensions	Fits within 150mm diameter sphere
Gimbal Sequence	Pan-over-tilt or roll-over-tilt
Tilt	30° up; 90° down
Pan	360° (endless)
Slew Rate	50°/sec
Performance @ 1 Hz & 2 Hz	59 dB and 56 dB attenuation
Power Supply Range	12.6 - 14.4 VDC, 15 w continuous, 20 w Peak
Communication	AltiCam Command Set : 57,600 TTL Serial UDP Network

IMAGER EO5

Wavelength	400 - 900 nm
Field of View	1.1°- 31.5°
Pixels	640 x 480
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.