



ALVICAM VISION™ Stabilized Imaging Systems

EO 1000 SS – Alticam 700 Series

Features:

- Super-stable daylight optical imaging
- Stabilizes 5 times better against airframe motion than the original EO1000
- Gyro-stabilized, several stabilization modes including coordinate hold if inertial navigation and attitude data are available from platform
- Tuned to work well in conjunction with AVS 1000 Video Processing Board.
- Designed for Insitu's Scan Eagle, also used on piloted planes, blimps, ground vehicles and unmanned surface vehicles.
- Can be customized for other imagers



Super-stable and compact daylight imaging

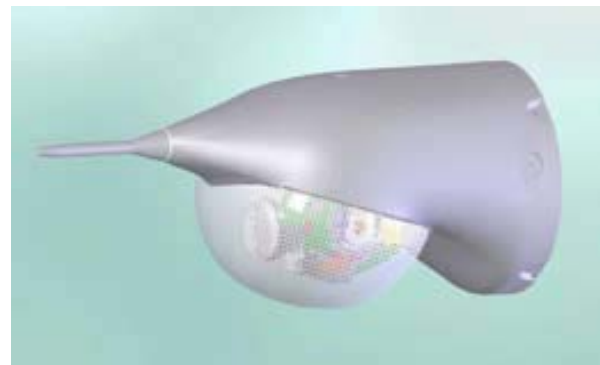
About the EO 1000 SS:

Low-cost super-stable daylight imaging in a 1020 gm package

This daylight, stabilized imaging system is designed for use with lightweight unmanned aerial vehicles, piloted vehicles, and other small moving platforms, and provides outstanding performance in those and other unsteady platforms such as balloons, kites, and boats.

Specifications:

Field of View	1.7 ⁰ -56 ⁰
Pixels	350,000
Wavelength	400 - 900 μm
Zoom (optical)	36X
Zoom (digital)	4X
Slew Rate	45 ⁰ /sec
Tilt	30 ⁰ up; 110 ⁰ down
Roll	360 ⁰ (endless)
Power	11-24VDC, 7W
Weight	1020 gm
Mounting (Scan Eagle)	Pan over tilt
Dimensions	18 cm sphere
Communication	Nominal: serial communication and NTSC video



Turret enclosed in nose section of the Scan Eagle UAV