

ALTICAM VISION™ Stabilized Imaging Systems

LWIR 6000 SS – Alticam 700 Series

Features:

- Super-stable long-wavelength (8 - 12 μm), high-resolution infrared imaging
- Stabilizes 5 times better against airframe motion than the original LWIR 6000
- Gyro-stabilized, several stabilization modes including coordinated 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 long-wave infrared technology provides exceptional resolution and zoom

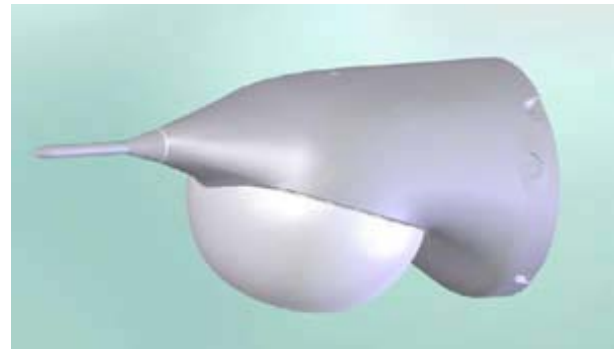
About the LWIR 6000 SS:

Super-stable low-cost thermal imaging in a 1270 gm package

This long-wavelength (8 - 12 μm) infrared, stabilized imaging system delivers high resolution while compatible 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	15 ⁰
Pixels	640x480
Zoom (digital)	3X
Wavelength	8 - 12 μm
Power	11-16VDC, 8W
Slew Rate	45 ⁰ /sec
Tilt	30 ⁰ up; 110 ⁰ down
Roll	360 ⁰ (endless)
Mounting (Scan Eagle)	Pan over tilt
Weight	1270 gm
Dimensions	18 cm sphere
Communication	Nominal: serial communication and NTSC video



Turret enclosed in nose section of the Scan Eagle UAV