



ALVICAM VISION™ Stabilized Imaging Systems

LWIR 6000

Features:

- Long-wavelength (8 - 12 μm), high-resolution infrared imaging
- Gyro-stabilized, several stabilization modes including coordinated hold if inertial navigation and attitude data are available from platform
- Fits small UAVs, piloted planes, and USVs (unmanned surface vehicles)
- Readily adapts to small, unstable air, sea and land platforms
- Can be customized



Long-wave infrared technology provides exceptional resolution and zoom

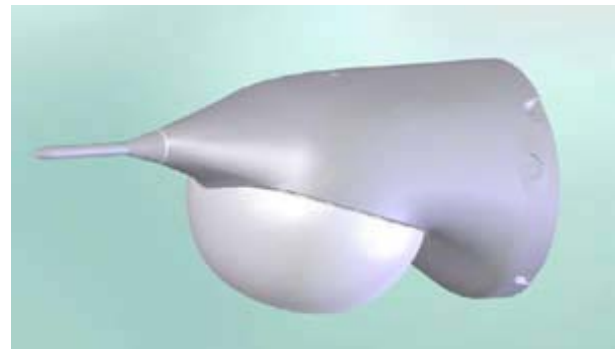
About the LWIR 6000:

Low-cost thermal imaging in a 1250 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	1250 gm
Dimensions	18 cm sphere
Communication	Nominal: serial communication and NTSC video



Turret enclosed in nose section of the Scan Eagle UAV