



AL TICAM VISION™ Stabilized Imaging Systems

MWIR 9000 2.0

Features:

- Medium-wavelength (3-5 μm) infrared imaging
- Optional laser marker
- Compatible with small aircraft (manned or unmanned) and other small platforms
- 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



Turret enclosed in the nose section of the Scan Eagle UAV

About the MWIR 9000 2.0:

Thermal imaging with continuous zoom in obscure conditions (e.g. darkness, haze, smoke, blowing dust or sand)

This medium-wavelength, thermal-imaging, stabilized imaging system eliminates the effects of vibration and motion common to small, lightweight unmanned aerial vehicles or piloted aircraft, boats, ground vehicles and other unsteady platforms.

Specifications:

Field of View	2 ⁰ -25 ⁰ continuous
Pixels	640X480
Zoom (optical)	12.5X continuous
Zoom (digital)	4X
Wavelength	3 – 5 μm
Power	13.2VDC, 18W continuous, 22W peak
Slew Rate	45 ⁰ /sec
Tilt	80 ⁰ forward to 45 ⁰ aft
Roll	360 ⁰ (endless)
Mounting (Scan Eagle)	Roll over tilt (services pitot and static)
Weight	2900 g (3400 g with enclosure)
Dimensions	30 cm length X 20 cm cylinder
Communication	Nominal: serial communication and NTSC video
Laser Marker	830 nm, 150 mW, 0.5 mrad