

ALTICAM VISION™ Stabilized Imaging Systems

MULTI 8000

Features:

- Multiple imaging and tracking modes
- Compatible with small aircraft (manned or unmanned) and other small platforms
- Medium-wavelength (3 - 5 μm), infrared provides clear images under obscure conditions (eg. Darkness, smoke, haze, blowing sand or dust)
- 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



Provides multiple imaging options

About the MULTI 8000:

Simultaneous daylight and thermal imaging, range finding, and laser marking in one compact package

This imaging system provides integrated components that deliver daylight, medium-wavelength (3 - 5 μm) and long-wavelength (8 - 12 μm) infrared imaging, laser range finding, laser pointing and marking, and Class 3b laser in one package. The system is designed to provide multi-mode performance in lightweight unmanned aerial vehicles, piloted vehicles, and other small moving platforms such as balloons, kites, and boats.

Specifications:

Field of View	2.5 ⁰ and 10 ⁰ mid-wave IR 24 ⁰ long-wave IR 1.7 ⁰ - 56 ⁰ electro-optical
Pixels	640x480 mid-wave IR 320x240 long-wave IR 350,000 electro-optical
Wavelength	3 - 5 μm mid-wave IR 8 - 12 μm long-wave IR 400 - 900 μm electro-optical
Zoom (optical)	36X electro-optical
Zoom (digital)	4X mid-wave IR 3X long-wave IR 3X electro-optical
Power	28VDC
Slew Rate	45 ⁰ /sec
Tilt	30 ⁰ up; 90 ⁰ down
Roll	360 ⁰ (endless)
Mounting (Integrator)	Pan over tilt
Weight	5550 gm
Dimensions	25.4 cm diameter
Communication	Nominal: serial communication and NTSC video
Laser Marker	830nm, 50 mW, 0.5 mrad
Laser Range Finder	3 km