

V9 MS Gyro-Stabilizer

Stabilized Airborne Camera Systems



The Axsys Technologies V9 Multi-Sensor is an efficient, economical and powerful solution, perfect for Airborne Law Enforcement (ALE) and surveillance missions.

Complementing the larger V14 HD and V14 Multi-Sensor product family, the new V9 MS is a mid-size, lightweight and fully digital, 4-axis gyro-stabilized imaging system. Equipped with cutting edge EO and IR sensor technology, it is the only system in its class to offer 4-axis stabilization: critical in reducing fatigue and increasing performance. The laser pointer and fully integrated Search Light slaving capabilities are contained in a durable, aircraft-grade aluminum body, providing maximum functionality and reliability in a compact, user-friendly stabilized imaging system.

www.axsys.com

FEATURES

- 4-axis gyro-stabilization
- Image Quality
- HD daylight CMOS sensor
- Mid-wave cooled thermal sensor
- Laser pointer
- Moving Map Interface
- Fully integrated Search Light control system with slaving capabilities
- High Definition Overlay
- Digital Video Processing
- Remote diagnostic testing
- Compact size and weight

BENEFITS

- High definition (1920 x 1080) Daylight sensor
- Large format infrared detector (640 x 480)
- Dual ring structure permits rough and fine correction in the azimuth and elevation axis stabilization
- Continuous optical zoom offering the longest range performance in its class

OPTIONAL FEATURES

- Video Auto Tracking
- IMU/GPS
- Geo-Pointing

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Thermal Imager

Sensor Type	640 x 512 HgCdTe FPA
Wavelength	3- 5 μ m
Pitch	15 μ m
Field of View Type	Continuous
Focal Length	25-300mm
Field of View (Horizontal)	21.7° to 1.8°
Digital Zoom	2x
Effective Focal Length	600mm
Zoom Ratio	12x optical, 24x overall

Daylight Imager

Sensor Type	1/3" CMOS
Pitch	2.5 μ m
Field of View Type	Continuous
Focal Length	5.1mm to 153mm
Optical Field of View	50.4° to 1.8° (Horizontal)
Digital Zoom	4x
Effective Focal Length	612mm
Zoom Ratio	30x optical, 120x overall

Laser Pointer

Laser Class	Class IIIb
Wavelength	830 nm
Output Power	30mW

System Specifications

System Type	4-axis gyro-stabilized multi-sensor
Azimuth Coverage	360° Continuous
Elevation Coverage	+28° to -194°
Slew Rate	0° - 140°/sec

Dimensions

Turret size	12.1" x 10.25"
Turret Weight	27.5 lbs.
Auxiliary Unit Dimensions	9.5" x 14" x 7.5"
Auxiliary Unit Weight	16.5 lbs.
Control Unit Weight	1.5 lbs.
System Weight	51 lbs. (w/standard cables)

Power

Input Voltage	28 VDC +/- 10%
Continuous	132W/5A
Maximum	450W/16A

System Interfaces

Digital Video	HD-SDI, HDMI
Analog Video	NTSC/PAL
Control	RS232, RS422
Data	RS232, RS422

