

V14 MSII Gyro-Stabilized

Stabilized Airborne Camera Systems



The Axsys Technologies V14 MSII is a fully digital, lightweight multi-sensor imaging device designed to provide exceptional surveillance and detection capabilities for law enforcement, military and public utilities applications.

The MSII combines the latest in IR and high-definition EO sensor technology and incorporates a proprietary high-performance computer, HD video processor and power conditioning unit, the HDU-900. This unit works seamlessly with the MSII's touch-screen console, allowing simplified user input, control and monitoring of all system features. This powerful combination allows the system to support a multitude of features and provide numerous payload and interface options. With the systems unparalleled EO and IR sensor technology, superior lens stabilization and unmatched continuous zoom capabilities, the V14 MSII delivers high-performance, flawlessly precise images making it ideal for any mission, day or night.

www.axsys.com

FEATURES

- Complete Console System Control
- HD-Overlay
- Video Switching
- Power conditioning
- Scan conversion (1080 to 720) NTSC & PAL

OPTIONS

- INS – Inertial Navigation System
- Geo-Pointing
- HD DVR (continuous loop recording)
- Frame Grab with cabin accessible USB drive
- Image Blending (HD Daylight and IR)
- Video Auto Tracker
- Microwave Control
- Remote Control
- Moving Map interface
- Searchlight Interface

V14 MSII Gyro-Stabilized

Thermal Imager

Sensor Type	640 x 512 InSb FPA
Resolution	NTSC/PAL
Wavelength	3-5 μ m
Filed of View Type	3FOV
Focal Length	17/60/200mm
Optical Field of View	31.5°/9.10°/2.70° (Horizontal)
Digital Zoom	5x
Effective Focal Length	1000mm
Zoom Ratio	12x optical, 60x overall

HD Daylight Imager

Sensor Type	2/3" 3-CCD
Resolution	1080p, 1080i, 720p, NTSC/PAL
Field of View Type	Continuous
Focal Length	16.5mm to 825mm
Optical Field of View	32.4° to 0.67° (Horizontal)
Digital Zoom	5x
Effective Focal Length	4125mm
Zoom Ratio	50x optical, 250x overall

Laser Rangefinder

Laser Type	Erbium-glass
Wavelength	1.54 μ m
Pulse Rate	12 PPM
Range	20 km
Range Resolution	+/- 5m

System Specifications

System Type	5-axis gyro-stabilized multi-sensor
Azimuth Coverage	360° Continuous
Elevation Coverage	32° to -155°
Roll Coverage	+/- 20° (HD sensor only)
Slew Rate	0-55°/sec

Dimensions

Turret size	19.8" x 14.9" x 19" (H x D x L)
Turret Weight	73 lbs.
Auxiliary Unit(s) Dimensions	HDU-900 18" x 19" x 6" (H x D x L) CHU-1500 6.5" x 17" x 9.5" (H x D x L)
Auxiliary Unit(s) Weights	HDU-900 34 lbs CHU-1500 16.5 lbs
Control Unit Weight	6 lbs
System Weight	144 lbs. (w/standard cables)

Power

Input Voltage	28Vdc +/- 10%
Continuous	560W / 20A
Maximum	1300W / 47A

System Interfaces

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



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