

APPLICATIONS

- Search & Rescue
- Unmanned Aerial Vehicles
- Reconnaissance
- Border & Coastal Patrol
- Target Identification

THE MULTI-MISSION IMAGING SOLUTION

With more than 800 units deployed in over 25 countries, SAFIRE is the world's number one thermal imaging system. SAFIRE is operational on over 35 different aircraft types and delivers high-performance imaging night and day and for a wide range of critical missions. Continuing the landmark evolution of the SAFIRE family, Star SAFIRE II sets new standards for image quality, range performance, and stability.

UNPARALLELED STANDOFF RANGE

Star SAFIRE II, the standard in COTS FLIR technology, provides enhanced thermal sensitivity and powerful optics for superior range performance.

Incorporating the latest Indium Antimonide focal plane array technology, the system enables users to adopt unmatched standoff distances, improving mission safety and increasing stealth.

STABILITY AND IMAGE QUALITY

Increased magnification means increased stability requirements. Star SAFIRE II provides an advanced five-axis active stabilization system that provides precise motion correction in the fourth and fifth axes. The system also includes a new higher-resolution infrared imaging sensor, longer focal length lens, and high-quality TV camera.

OPTIMIZED FOR NAVIGATION AND FLIGHT SAFETY

Star SAFIRE II's hermetically sealed turret features continuous 360-degree azimuth pointing, enabling camera operators to stay on target regardless of aircraft attitude. The imager's wide field of view is optimized for navigation and flight safety, while the narrow field of view delivers long-range target recognition with exceptional image clarity and stability.

The turret features an investment-cast housing that ensures maximum structural integrity and complete environmental protection in all weather conditions and at up to 400 knots.

MISSION-SPECIFIC CONFIGURATIONS

Star SAFIRE II can be configured with a wide range of optional payloads, including a laser rangefinder, daylight TV, spotter scope, autotracker and laser illuminator.

BACKED BY THE FLIR NAME

FLIR is the world's leading supplier of advanced infrared imaging systems for military, government, and law enforcement applications. With a global network of service and training centers, FLIR assures you the experience, resources, and customer commitment you demand.



SYSTEM SPECIFICATIONS

Turret Size	17.5" h x 15.1" dia (44.58 x 38.35 cm)
Turret Weight	98 lbs/44.5 kg (includes all options)
Azimuth Coverage	360° continuous
Elevation Coverage	+30° to -120°
Slew Rate	60°/sec
Control	SCU/serial digital/MIL-STD-1553B/ARINC
Environmental	MIL-STD-810 and MIL-STD-461
Max Air Speed	405 kts

THERMAL IMAGER

Sensor	320 x 240 InSb FPA 3-5 μm response	
Resolution	640 x 480 (microscanned)	
Fields of View (HxV)	Narrow	0.8° x 0.6°
	Medium	3.4° x 2.6°
	Wide	25.2° x 18.8°
Optional	Wide	33.3° x 25°
Cooling	Stirling linear cooler	
Video Output	RS170 or CCIR (NTSC/PAL)	

OPTIONAL PAYLOADS

Visual TV	Color CCD – TV with autofocus
Signal Format	NTSC/PAL
Sensitivity	0.2 lux
Zoom Ratio	18x plus 4x electronic zoom
Field of View	24° to 2.1°
Laser Rangefinder	
Type	Erbium – glass (1.54 mm)
Classification	Class 1 (eye-safe)
Range Accuracy	5 meters
Maximum Range	20 km
CALI Laser Illuminator	NVG Compatible – Wide area illumination
Emission Wavelength	810 nm
Classification	Class IV
Laser Illuminator	NVG Compatible – Target pointing
Emission Wavelength	810 nm
Classification	Class IIIb
Spotter Scope	Color CCD
Signal Format	NTSC or PAL – Color image
Fields of View	0.4° h x 0.3° v

OPTIONAL FEATURES

Autotracker; radar and navigation interfaces; quick disconnect mounts; Nightsun™ interface; laser illuminators for target identification; flat panel displays; moving map based mission management system

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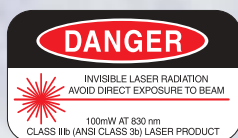
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