

Sea Star SAFIRE II™

DISCONTINUED PRODUCT

This product is out of production, and may have limited support depending on its age. Please contact us at 1-877-773-3547 if you have any questions.

APPLICATIONS

- Economic Exclusion Zone Enforcement
- Safety
- Maritime Patrol
- Search & Rescue
- Mine Detection
- Anti-Surface Warfare (ASUW)
- Anti-Submarine Warfare (ASW)
- Fire Control
- Navigation & Situational Awareness
- Collision Avoidance
- Force Protection/Counter Terrorism
- Surveillance/Reconnaissance
- Drug Interdiction
- Environmental Monitoring
- Vessel Traffic Monitoring

EXCEPTIONAL PERFORMANCE, GREATER FLEXIBILITY

The Sea Star SAFIRE II is the newest member of FLIR Systems' highly successful and versatile SAFIRE infrared imaging family. From its inception, providing stabilized, flexible and affordable Shipborne Airborne Forward-Looking InfraRed Equipment (SAFIRE), FLIR has continued to leverage its extensive experience with Commercially Developed Military Qualified (CDMQ) systems. The Sea Star SAFIRE continues to expand the SAFIRE product line incorporating new technologies and advanced capabilities at an affordable price.

STANDOFF RANGE

Sea Star II provides excellent range performance with 24 hour coverage. Night and day, through a wide variety of obscurants and weather conditions, Sea Star delivers long range imaging via an advanced 3-5 mm InSb focal plane array with 3 fields of view, 18:1 zoom CCD TV and spotter scope housed in a gyro-stabilized gimbal.

MULTIPLE PAYLOAD OPTIONS

Sea Star II's modular design readily accommodates a complete range of optional sensor payloads including laser rangefinder, daylight TV, spotter scope, last pointer and CALI laser illuminator. An IR/laser designator variant is also available for targeting applications.

MARITIME/AIRBORNE ADAPTABLE

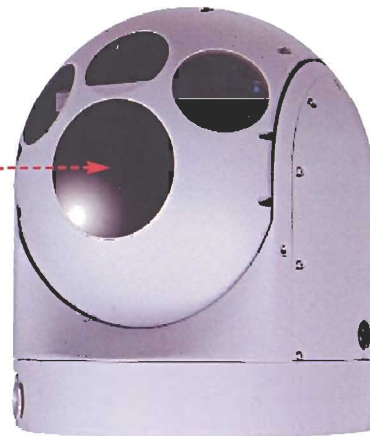
Sea Star II is designed for ship and aircraft operations and can be installed as a roll-on-roll-off asset. Fully portable, Sea Star fits with a variety of platforms and can be removed or installed in less than an hour. Aspect independent and specifically designed to facilitate the conversion process, Sea STAR can be mounted upright, inverted or on its side to meet mission and platform requirements.

BUILT FOR MARITIME EXTREMES

Sea Star II is equally at home in the icy, violent sea of the Northern Atlantic as it is in the excessive heat and humidity of the tropics. This AN/AAQ-22 based system is highly maritized with water-tight seals, special corrosion-proof coatings, internal turret heater, and optional anti-ice/de-ice.

CONTINUOUS UPGRADES

Sea Star II is built to accommodate new technologies and performance enhancements as they emerge. A unique modular design enables you to upgrade the system easily and affordably — without having to purchase an entirely new system. For increased flexibility and convenience, Sea Star II interfaces with additional instrumentation such as radar, GPS and fire control systems.



MARITIME SYSTEMS
www.flir.com/mss

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SYSTEM SPECIFICATIONS

Turret Size (height X width)	17.55" h x 15.10" dia (44.58 x 38.35 cm)
Turret Weight	98 lbs/44.5kg (includes all options)
Azimuth Coverage	360° continuous
Elevation Coverage	+30° to -120°
Slew Rate	Variable to ≤ 60°/sec
Control	SCU/Serial Digital/MIL-STD-1553B
Environmental	MIL-STD-810 and MIL-STD-461
Max Air Speed - Flight tested	405 kts

THERMAL IMAGER

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

OPTIONAL PAYLOADS

CCD-TV	Autofocus ect.
Video Format	NTSC or PAL
Lens	18X Continuous Zoom
Fields of View	20° to 1.6° (With extender)
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)	
Emission Wavelength	820 - 850 nm
Classification	Class IV
Spotter Scope	
Video	NTSC or PAL
FOV	0.4°H x 0.3°V
Chroma	Color or Monochrome

OPTIONAL FEATURES

Autotracker; Radar, Navigation and VCR interfaces; Quick disconnect mounts; Nightsun™ Interface; Laser Pointer; Flat panel displays; Moving map based Mission Management System.

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