

SEASearch

SEASearch PRECISION FIRE CONTROL AND SURVEILLANCE

AFFORDABLE, HIGH PERFORMANCE, STABILIZED EO/IR SYSTEM SPECIFICALLY DESIGNED FOR MARITIME APPLICATIONS.

Surveillance, Reconnaissance and precision Fire Control are essential to maintain situational awareness and provide force protection in all maritime environments – riverine, littoral, or blue water.

L-3 Brashear's SeaSearch is a gyro-stabilized fully integrated; color-day imager, cooled mid-wave thermal imager and eye-safe laser rangefinder for reliable 24-hour surveillance and situational awareness in today's asymmetrical battle space. SeaSearch can be use as a stand alone surveillance system or integrated with L-3 Brashear's fire control system, providing cost-effective optical fire control system for crew-served weapons, remote weapon stations or close-in weapon systems (CIWS).

SeaSearch is easily integrated with small craft in the riverine environment or ships operating in the littorals or blue water. SeaSearch uses a high resolution, large format thermal imager with three fields of view providing sharp superior imagery together with a daytime color CCD-TV combined with 20x optical zoom.



BENEFITS

- High performance at a low cost
- Sharp high resolution image in total darkness
- Complete targeting and fire control solution
- Engineered to support current and future small and medium caliber gun systems and CIWS
- Flexible and easily integrates with variety of platforms from small craft to ships and various command and control systems.



SEASearch Precision Fire Control and Surveillance

SPECIFICATIONS

Thermal Imager

Cooled Infrared	3-5 μ m, 640x480 InSb
NETD	< 25mK
Three FOV	2.3° NFOV, 4.6° MFOV, 18.3° WFOV

Day Imager

TV	Color CCD w/ 20x zoom
Resolution	768 x 494
FOV	1.2° NFOV, 24.1° WFOV

Laser Rangefinder

Eyesafe	ANSI Z136.1-2000
Beam Divergence	0.3 x 0.7 mrad
Rep rate	0.3 Hz
Accuracy	2m @ 2.2 Km, 4m @ 5 Km

System Performance

System type	2 axis stabilization
Az. Coverage	360° continuous
EI. Coverage	+85°, -50°
Slew rate	Az. 300°/sec, EI 60°/sec
Stability	1mRad (RMS)
Data	RS-232, RS-422 (option)
Environmental	MIL-STD-810
Power	24VDC, MIL-STD-1285
Dimensions	18" (D) x 23" (H)
Weight	62 lbs (28 kg)

Display

10" touch screen
(12" option)

Controller

Joystick or "Game Boy" style



Gunner's Station with fire control
(System computer and display and
Handheld Controller/Joystick)

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communications

Brashear

L-3. Leading. Headquartered in New York City, L-3 Communications employs over 63,000 people worldwide and is a prime system contractor in aircraft modernization and maintenance, C3ISR (Command, Control, Communications, Intelligence, Surveillance and Reconnaissance) systems and government services. L-3 is also a leading provider of high technology products, systems and subsystems. The company reported 2006 sales of \$12.5 billion.