

# SeaFLIR® II

POWERFUL LONG RANGE MULTI-SENSOR IMAGER



## APPLICATIONS

MARITIME & AIRBORNE RECONNAISSANCE, SURVEILLANCE & TARGET ACQUISITION (RSTA)

SEARCH & RESCUE (SAR)

COASTAL & HARBOR PATROL

FORCE PROTECTION/COUNTER TERRORISM

DRUG INTERDICTION

CUSTOMS INSPECTIONS

MINE DETECTION

ANTI-SURFACE WARFARE (ASUW)

ANTI-SUBMARINE WARFARE (ASW)

NAVIGATION & SITUATIONAL AWARENESS

COLLISION AVOIDANCE

ENVIRONMENTAL MONITORING

## FEATURES

Mid-wave IR with up to 450 mm of continuous zoom

Daylight/Lowlight TV with 40x zoom

Gyro-stabilization

Multi-mode autotracker

Laser pointer

Rugged marinization - exceeds Mil-standards

Flexible integration capability

## BENEFITS

Powerful, sensitive thermal imager detects targets at distances greater than 10km and delivers crisp imagery in total darkness and through heavy atmospheric obscurants

The daylight TV imager can be used in a variety of surveillance roles, as well as having a low-light capability that extends its utility well into the twilight hours

Provides stable imagery in rough seas, or on aircraft in flight – critical for long range imaging

Allows operator to "lock" onto targets and reduces fatigue on long missions

Optional laser pinpoints targets for observers using night vision equipment while remaining invisible to others.

Engineered to withstand the harsh maritime environments encountered by military operators

SeaFLIR II can communicate with a variety of command and control systems including GPS receivers, radars, moving map and searchlight systems for expanded mission effectiveness



High resolution thermal imagery



High fidelity digital daylight/low light TV



## SeaFLIR® II

### THERMAL IMAGER

Sensor type	320x240 InSb focal plane array
Wavelength	3-5µm response
FOVs	21.7° to 1.2° (w/1.8X optical extender)
Zoom range	25mm to 450mm (w/1.8X optical extender)

### COLOR CCD-TV CAMERA

Synch Rate	NTSC or PAL
Type	Super HAD CCD, ¼" Format
FOVs	48° to 1.2°
Sensitivity	0.7 Lux @ F1.4

### LASER PAYLOADS

Rangefinder	Type	Erbium-glass, 1.54 µm
	Max. range	20Km +/-5m
	Classification	Class 1 (Eyesafe)
Pointer	Wavelength	830 nm
	Power	30 mW
	Classification	Class IIIb

### STABILIZED GIMBAL ASSEMBLY (SGA)

System type	2-axis stabilization
Az. coverage	360° continuous
El. coverage	360° continuous
Stability	<35 µ

### SYSTEM INTERFACES

Analog video	NTSC/PAL
Control	Ergonomic Laptop or Hand-held
Data	RS-232, RS-422

### ENVIRONMENTAL

Standards	MIL-STD-810E & MIL-STD-461F
Operating temperature	-40°C to +55°C

### POWER REQUIREMENTS

Voltage	19-32 VDC
Consumption	200W (650W max)

### DIMENSIONS & WEIGHT

SGA Size	9.0" x 15.2" (22.9 cm x 38.6 cm)
Weight	<28 lbs (12.7 kg)
Mounting	Bayonet and collar style

### OTHER OPTIONS AND ACCESSORIES

Navigation/Radar Interfaces, Quick-Disconnect Mounts, Moving Map Systems

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