



MID-RANGE, GYRO-STABILIZED ISR SYSTEM

SeaFLIR® 230

The SeaFLIR 230 is a member of the FLIR family of 9" gimballed turrets. Representing the latest in sensor technology, it condenses extremely high performance surveillance and targeting into a compact, low mass, and lightweight system. The SeaFLIR 230 provides a significant increase in maritime surveillance, is designed to cope with the most arduous marine environments, and sets a new benchmark in capability, versatility, and price.

Built to MIL-STD-461 and MIL-STD-810, SeaFLIR 230 is designed for deployment in ISR, EEZ constabulary, maritime SAR, covert OPS, blind pilot assistance, man overboard search and track, and harbor security. It's capable of 360° pan and 60° to -60° tilt. At only 41 pounds and 9" diameter, it's ready to deploy on any maritime platform.

FEATURES

ALL-WEATHER, SEA-READY

Designed for 24/7/365 maritime duty, SeaFLIR 230 provides optimal situational awareness and mid-range surveillance for offshore and fast patrol vessels.

STABILIZED FOR MID-RANGE ISR

Mil spec build and precision gyro-stabilization for all weather conditions, it provides superior performance over typical pan/tilt systems comparably priced.

MULTI-SENSOR SYSTEM

Payload includes 640x480 cooled MWIR camera with up to 18x continuous zoom and high-res 30x color/low-light camera, plus laser payload options.

FULLY INTEGRATED TO BRIDGE CONTROL SYSTEM

SeaFLIR 230 integrates to command/control system, GPS, INS, radar, moving map, searchlight, AIS, and electronic chart system.

LASER RANGE FINDER

LRF tracks targets at a range up to 10 km (up to 20 km on large targets).

APPLICATIONS

INTELLIGENCE, SURVEILLANCE AND
RECONNAISSANCE (ISR)

EEZ CONSTABULARY

MARITIME SAR

COVERT OPERATIONS

BLIND PILOTAGE ASSISTANCE

MAN OVERBOARD SEARCH & TRACK

BRIDGE SITUATIONAL AWARENESS

HARBOR SECURITY

SKYWATCH DETAILS

Thermal Imager	
Detector type	Indium Antimonide Focal Plane Array (MWIR)
Zoom ratio	10x continuous zoom plus optional 1.8 x optical extender (18 x total)
Image resolution	640x480
Optional zoom extender	1.8 x
Daylight/Color CCD TV	
Performance	Mid-range optics with maximized focal lengths
Zoom	30x continuous
Field Of View (FOV)	1.8° – 54°
Low light	0.7 lux in NFOV (0.005 lux in WFOV)
Autotracker	
Performance	Multimode video autotracker
Laser Range Finder	
Type	Class 1 eye-safe
Range	10km (20km on large targets)
Typical Range Accuracy	+/- 5m
Laser Pointer	
Nominal wavelength	852 nm
Power	30 mW nominal
Classification	Class 3B (per ANSI Z136.1-2007)
Mechanical/Electrical	
System weight	41 lbs (18.5 kg)
Stabilized Gimbal Assembly (SGA)	14in x 16in (356x406mm) (cylindrical volume) 360° AZ Continuous, +60° to -60° EL
Interfaces	RS-232, RS-422, Analog (NTSC or PAL)
Power	18-30 VDC
Environmental	
Standards	MIL-STD-461, MIL-STD-810, stainless steel cable connectors
Ergonomic, Ruggedized Control Unit	
NVIS compatible, Fully sealed design, Backlit	



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