



SeaFLIR® 230 Situational Deployment

SeaFLIR® 230

Mid-Range, Gyro-Stabilized ISR System Tailored for Maritime Operations

KEY FEATURES

- Optimized for maritime operations
- Stabilized for mid-range ISR and on-the-move operation
- Compact and lightweight
- Multi-sensor system
- Integrated to bridge
- Qualified and rugged

BENEFITS

Designed for 24 hour, 365 days per annum operations in all weather and sea states to give optimal situational awareness and mid-range surveillance capability to offshore and fast patrol vessels

Mil Spec build and precision gyro-stabilized performance for all weather maritime operations. Provides for maximum sensor range performance and increased capability over typical pan/tilt systems at a comparable price

41 lbs and 9" diameter class gimbal; provides the ability to deploy on any platform

Class leading 640x480 cooled MWIR thermal camera with up to 18x total continuous zoom optics plus high resolution 30x continuous zoom color/low light camera. Optional 852nm, Class 3b laser pointer as well as optional autotracker and eye safe laser range finder

Communications to command/control system, GPS, INS, Radar, Moving Map, Searchlight, AIS and electronic chart system.

FLIR has hundreds of rugged, high reliability systems fielded on vessels around the world

APPLICATIONS

- Intelligence, Surveillance and Reconnaissance (ISR)
- EEZ Constabulary
- Maritime SAR
- Covert Operations
- Blind Pilotage Assistance
- Man Overboard Search & Track
- Bridge Situational Awareness
- Harbor Security



Visible



Thermal

Specifications

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	WFOV (Color Mode): 0.5 LUX - WFOV (Low Light Mode): 0.1 LUX)
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	



SeaFLIR® 230



SeaFLIR® 230 Controller

CORPORATE HEADQUARTERS

FLIR Systems, Inc.
27700 SW Parkway Ave.
Wilsonville, OR 97070
PH: +1 877.773.3547

THE AMERICAS

2800 Crystal Drive
Suite 330
Arlington, VA 22202
T +1.703.416.6666

EUROPE

2 Kings Hill Avenue - Kings Hill
West Malling, Kent ME19 4AQ
United Kingdom
T +44 (0)1732 220 011
F +44 (0)1732 843 707

MIDDLE EAST

FLIR Systems BV Abu Dhabi
Building C-29, Office 302
New Ministries Area near
Khalifa Park
Abu Dhabi, UAE

ASIA

FLIR Systems Japan K.K.
Meguro Tokyu Bldg. 5F, 2-13-17
Kami-Osaki, Shinagawa-ku.
Tokyo, 141-0021, Japan
T +81-3-6721-6648

www.flir.com
NASDAQ: FLIR



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