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**
## 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**: 640 x 480
- **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)
- **Field Of View (FOV)**: 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**

---

**AMERICAS**

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

FLIR Systems, Inc.
DC Headquarters
1201 S. Joyce Street
Suite C006
Arlington, VA 22202
Office: +1 703.682.3400

---

**EUROPE**

FLIR Systems
2 Kings Hill Avenue - Kings Hill
West Malling, Kent ME19 4AQ
United Kingdom
Office: +44 (0)1732 220 011
Fax: +44 (0)1732 843 707

FLIR Systems AB
Antennvägen 6,
PO Box 737
SE-187 66 Täby
Sweden
Office: +46 (0)8 753 25 00

---

**MIDDLE EAST**

FLIR Systems B.V. - Abu Dhabi
Wadi Al Feyy St., Building 60, Office # 302
New Ministries Exit / Khalifa Park Area
Abu Dhabi, U.A.E.
Office: +971 2 666 1561
e-Fax: +1 503 914 1591

FLIR Systems Saudi Arabia
Office 127, First Floor
Akaria Plaza Building, Olaya Street
Riyadh, 11481, Saudi Arabia
Office: +966 11 464 5323
Fax: +966 11 464 0438

---

**ASIA**

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

---

For More Information contact surveillance_sales@flir.com

www.flir.com
NASDAQ: FLIR

Equipment described herein is subject to US export regulations and may require a license prior to export. Diversion contrary to US law is prohibited. Imagery for illustration purposes only. Specifications are subject to change without notice. ©2019 FLIR Systems, Inc. All rights reserved. 01/14/19

T5-0082-511L Rev.9 Rev.0 S_ENG THIS PRODUCT IS/exportable to the DESIGNATION OF THE UNITED STATES.

---

**INVISIBLE LASER RADIATION AVOID DIRECT EXPOSURE TO THE BEAM 30mW AT 830 nm CLASS IIIb (ANSI CLASS 3b) LASER PRODUCT**