APPLICATIONS

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

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
### 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 (358x406mm) (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**

---

**INVISIBLE LASER RADIATION**
**AVOID DIRECT EXPOSURE TO THE BEAM**

---

**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. ©2017 FLIR Systems, Inc. All rights reserved. 1/11/2017 16-0188-SUR**