



## 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)<br>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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