

SeaEye-KIRLANGIC

ELECTRO-OPTICAL RECONNAISSANCE AND
SURVEILLANCE SYSTEM

- COMPACT AND LIGHT-WEIGHT SYSTEM
- HIGH PERFORMANCE IR CAMERA
- FULL HD DAY TV CAMERA
- OPTIONAL EYE-SAFE LASER RANGE FINDER
- OPTIONAL LASER POINTER
- OPTIONAL GPS RECEIVER





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ELECTRO-OPTICAL RECONNAISSANCE AND SURVEILLANCE SYSTEM

Applications

- Ships and Fast Boats
- Border/Coastal Surveillance
- Rescue Operations
- Long Range Detection/Recognition/Identification

Main Features

- Compact and Light-Weight System
- High Performance IR Camera
- Full HD (1920x1080)TV Camera
- Eye-Safe Laser Range Finder (Optional)
- Laser Pointer (Optional)
- High Performance GPS Receiver(Optional)
- All-Digital Video Pipeline
- Digital HD Video Output
- Video and System Control over Ethernet
- Analog Video Output Option for Backwards System Compatibility
- Advanced Digital Image Processing
- Automatic Target Tracking (Optional)
- Accurate Target Geo-Location(Optional)
- Determination of Coarse and Speed of Moving Target
- Inertial Measurement Unit (IMU)
- Gyroscopic Stabilization
- Optional Single-LRU System

Technical Specifications

Thermal Camera

- Wavelength : MWIR (3-5 μ m)
- HFOV
 - Wide : 22°
 - Medium : 6°
 - Narrow : 2.2°
- Optical Zoom : >10x, Continuous
- Digital Zoom : 2x,4x
- Sensor Resolution : 640x512

Day TV Camera

- HFOV
 - Super Wide : 63°
 - Wide : 25°
 - Medium : 6°
 - Narrow : 2.3°
- Optical Zoom : 30x, Continuous
- Digital Zoom : 12x, Continuous
- Sensor Resolution : 1920x1080

Laser Range Finder (Optional)

- Wavelength : 1.54 μ m
- Class : Class I, Eye Safe
- Accuracy : \pm 5m (1 σ)

Lazer Pointer (Optional)

- Wavelength : 830nm(\pm 5%) (NIR, Compatible with NVG's)

Electrical Interface

- Power : 24 VDC
- Platform Interface : Ethernet, RS422, NMEA 0183
- External Navigation Interface : RS422
- Video Interface : Ethernet, HD-SDI, PAL

Mechanical Interface

- Weight : < 32 kg
- Size : < 350 mm in diameter
< 450 mm height
- Gimbal FOR
 - Elevation : -60°/+90°
 - Azimuth : 360°, Continuous

Enviromental Conditions

- MIL-STD-810G

