

ISEA-25HD

Surveillance System For Maritime Missions



The iSea-25HD is a member of the iSea family of observation systems that were especially designed for the harsh maritime environment.

Powered by Edge AI with advanced image processing, ATR, and VMD, CONTROP systems deliver superior situational clarity and efficiency, easing operator workload and enabling faster, more confident decision-making.

The iSea systems provide maximum sensor range performance by using highly sensitive sensors, gyro-stabilization and unique video enhancement algorithms.

CONTROP's iSea family of EO/IR systems may be integrated with the vessel's systems and offer a full solution for naval and maritime

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Electro-Mechanical

Type:	2 Gimbals Gyro-stabilized System
Field of Regard:	Azimuth: 360° x N (continuous) Elevation: -25° to +80°
Angular Velocity:	Azimuth / Elevation: 120° / Sec (max)

Thermal Imaging (TI) Sensor

Spectral Range:	3.0 - 5.0 μ m
Detector:	FPA 640x512 XBN
Lens:	Zoom x18
Field of View:	Widest Narrowest (optical) x4 Elect. Zoom 27° x 21° to 1.5° x 1.2° to 0.4° x 0.3°

Full HD Daylight Channel

Camera:	Color Full HD 1920x1080 pixels
Lens:	Zoom X26
Field of View:	Widest Narrowest x4 Elect. Zoom 60° x 34° to 2.3° x 1.3° to 0.6° x 0.32°

Laser Rangefinder (optional)

Type:	Eyesafe, Class 1
Wavelength:	1.54 μ m
Range:	50m – 15,000m (optional 20,000m)

Laser Pointer (optional)

Wavelength:	830 nm
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Physical Characteristics

Weight (Turret):	13 kg (28.66lb)
Dimensions (Turret):	(Ø)220mm (8.66") x (H)332mm (13")

Electrical Interface

Voltage:	28 VDC
Power Consumption:	110 Watt (nominal)
Video Outputs:	HD-SDI (1080p) and PAL RS422, RS232, ETH (optional)

Environmental Conditions

Temperature:	-32 C to +55 C
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13kg



Radar



GPS



Control Unit



Naval weapon station



Command & Control Systems

Features

Superior Gyro-stabilized Image
Multi-Spectral Imaging
Advanced Image Processing
Lightweight and Compact Design
Naval Qualified
Integrated with Vessel's Systems

Optional

Eyesafe Laser Range Finder(LRF)
Laser Pointer
Control Unit (CU)
Ruggedized video displays
Digital Video Recorder (DVR)
NMEA0183 Communication Protocol

Image Processing

Local AGC Day/TI
Video Enhancement
Automatic Video Tracker
Picture-in-Picture (PIP)
AI (Optional)