

# 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.

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 operational requirements.

## Applications

Search & Rescue  
Border Surveillance  
Law Enforcement  
EEZ Protection  
Counter Piracy  
Special Operations

## Technical info:

KG	13kg
Ø	220mm
NM	8Nm

 Detection range to small boat target

**CONTROP**  
Turning Vision Into Reality

# iSea-25HD

Surveillance System For Maritime Missions

## 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)



## 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 $\mu$ m
Detector:	FPA 640x512 XBN
Lens:	Zoom x18
Field of View:	Widest      Narrowest (optical)      x4 Elect. Zoom 27° x 20° to      1.5° x 1.1°      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 $\mu$ m
Range:	50m – 15,000m (optional 20,000m)

## Laser Pointer (optional)

Wavelength:	0.8 $\mu$ m
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## Physical Characteristics

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

## Electrical Interface

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

## Environmental Conditions

Temperature:	-20° to 50° C
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CONTROP reserves the right to change specifications without prior notice