CONTROP

ISEA-30HD

Surveillance System For Maritime Missions

The iSea-30HD 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 operational requirements.

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Electro-Mechanical

Type:	3 Gimbal Gyro-stabilized System
Field of Regard:	Azimuth: 360° x N (continuous) Elevation: +85° to -30°
Angular Velocity:	Azimuth / Elevation: 60° / Sec (max)

Thermal Imaging (TI) Sensor

Spectral Range:	3.0 - 5.0 µm
Detector:	FPA 640x512 InSb
Lens:	Zoom X12.5
Field of View:	Widest Narrowest (optical) x3 Elect. Zoom 27° x 21° to 2.2° x 1.7° to 0.73° x 0.55°

Full HD Daylight Channel

Camera:	Color Full HD 1920x1080 pixels
Lens:	Zoom X22
Field of View:	Widest Narrowest x3 Elect. Zoom 48° x 27° to 2.3° x 1.3° to 0.8° x 0.45°

Laser Rangefinder (optional)

Type:	Eyesafe, Class 1
Wavelength:	1.54 µm
Range:	75 – 20,000 m

Laser Pointer (optional)

Wavelength:	830 nm

Physical Characteristics

Weight (Turret):	21kg (46.3lb)
Dimensions (Turret):	(Ø)305mm (12”) x (H)430mm (17”)
PEB:	3.8 kg (8.9lb) (optional 1.5 Kg)
Control Unit:	1.5 kg (3.3lb)

Electrical Interface

Voltage:	28 VDC
Power Consumption:	100 Watt (nominal)
Video Outputs:	HD-SDI (1080p25) PAL H.264 / H.265 (Optional) USB-C (Optimal for video recording)

Environmental Conditions

Temperature:	-32 C to +55 C

22kg

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
- Video Enhancement
- Automatic Target Tracker
- AI (Optional)