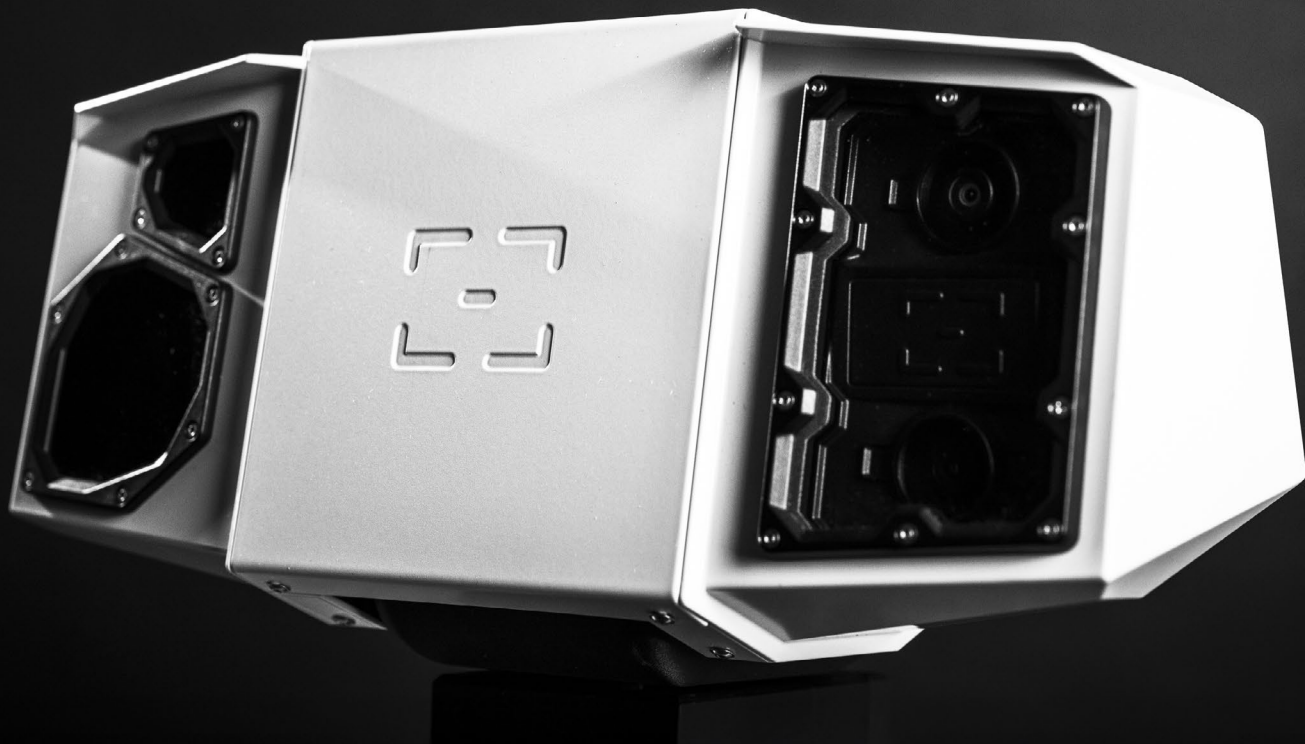


MACHINE VISION FOR SAFETY & SECURITY AT SEA

SEA.AI



SENTRY

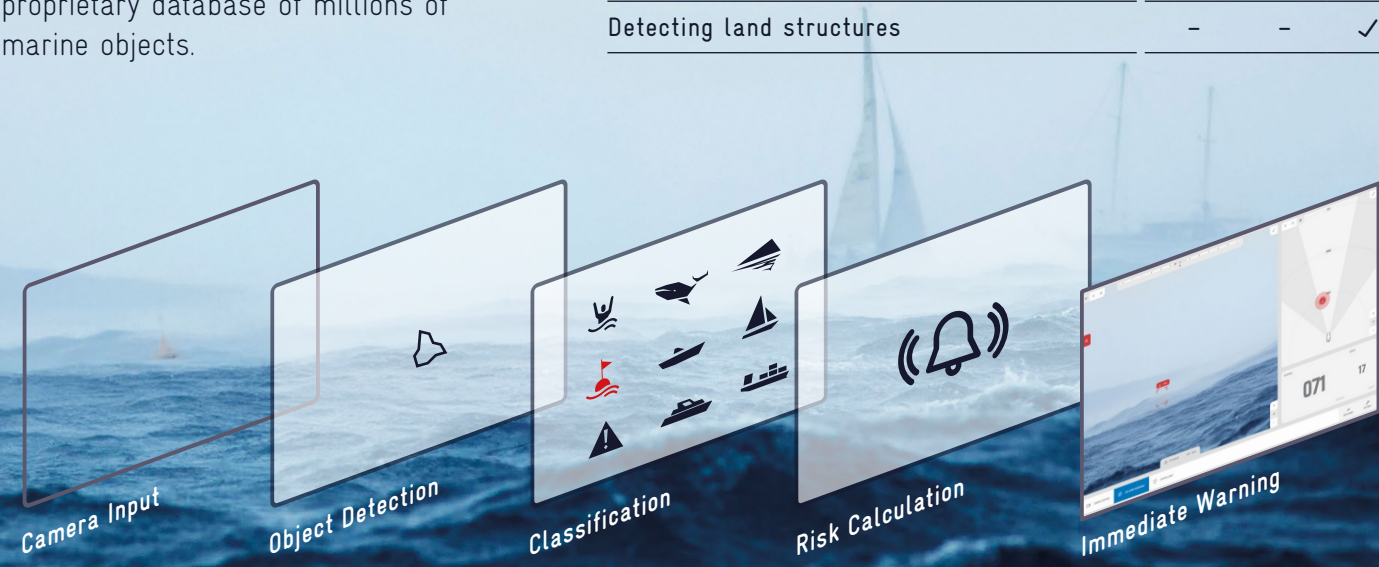


ENHANCED SITUATIONAL AWARENESS

SEA.AI alerts crews early and reliably about floating hazards including those that escape conventional systems such as Radar or AIS.

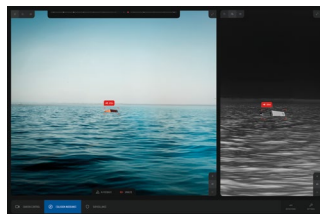
The system’s artificial intelligence uses Machine Vision and deep learning technology, drawing on an ever-growing proprietary database of millions of marine objects.

SEA.AI vs. conventional assistance systems	SEA.AI	AIS	RADAR
Detecting persons in water / floating objects	✓	-	-
Detecting and recognizing small boats	✓	-	-
Recognizing ships / large boats	✓	✓	-
Detecting ships / large boats	✓	✓	✓
Detecting squalls / weather fronts	-	-	✓
Detecting land structures	-	-	✓



## PRODUCT

### SEA.AI SENTRY SEA.AI SENTRY Black Edition



#### PERIMETER SURVEILLANCE

360° scanning of the water's surface. Automatically detects and alerts when objects enter a defined safety perimeter.

#### MANUAL CONTROL

Easily investigate areas or objects of interest using 8x electronic zoom and precise panning control.

#### COLLISION AVOIDANCE

Forward panning with intelligent alarms alerts the crew to potential collision risks with objects in the vessel's path.

#### TARGET TRACKING

Lock onto and continuously monitor a selected object. Ideal for tracking persons overboard, tenders, or other moving targets.

#### Detection Ranges\*

Type of object	Buoy, Person	Dinghy, RIB, Inflatable	Motorboat, Sailboat	Large Vessel
Sentry	up to 700m	up to 3,000m	up to 7,500m	up to horizon

\*Detection range varies with environmental conditions.

## FEATURES

- ✓ AI-powered detection from close range to the horizon
- ✓ 360° field of view, by day and night
- ✓ Person in water detection up to 700m
- ✓ High-performance camera setup with 2 thermal cameras (640x512px) and 2 lowlight cameras (2592x1944px)
- ✓ High detection frequency
- ✓ Image stabilization (mechanical and digital)
- ✓ Manual control with 360° panning, ±20° tilt and 8x zoom
- ✓ System weight 6.2kg
- ✓ Stand-alone solution
- ✓ API for third party integration
- ✓ Customizable alarm settings for proactive alerts
- ✓ Seamless integration with computers and MFDs supporting HDMI input
- ✓ Runs on mobile devices (iOS, Android)
- ✓ Constantly gaining performance with each software update

NOW YOU SEE.



DETECTION AND  
CLASSIFICATION OF  
FLOATING HAZARDS



REAL-TIME ALERTS  
FOR SAFER AND  
FASTER DECISIONS



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