


MACHINE VISION FOR SAFETY & SECURITY AT SEA

SEA.AI 

COMPETITION

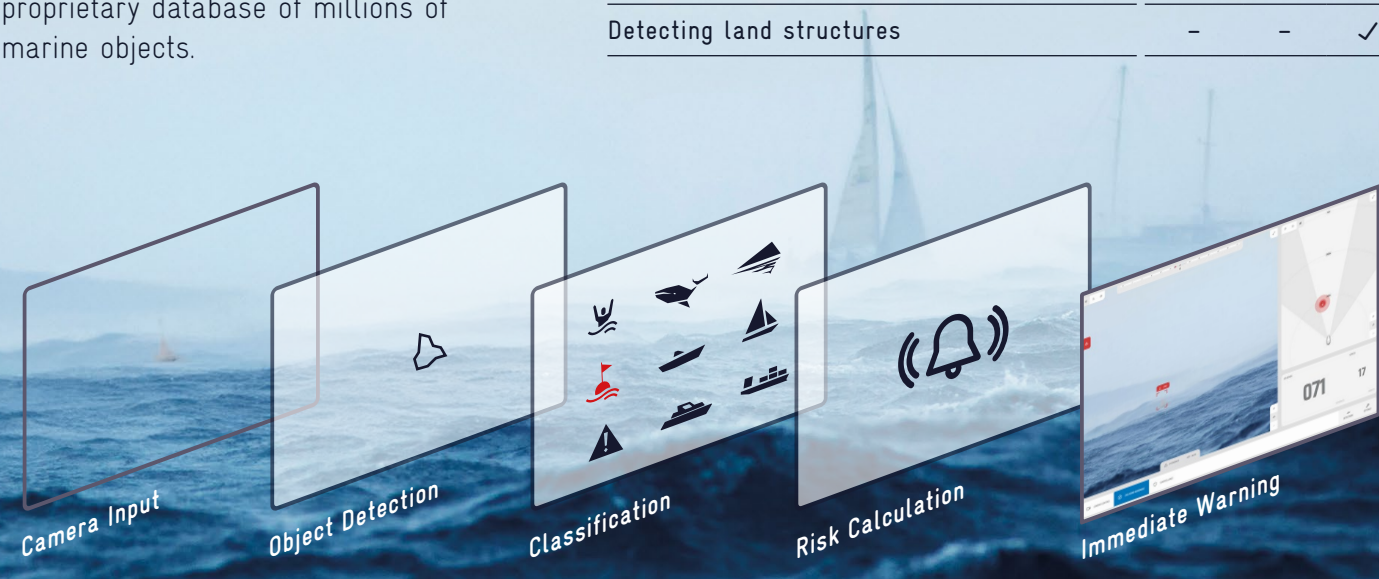


ENHANCED SITUATIONAL AWARENESS

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 COMPETITION 320  
SEA.AI COMPETITION 640



Model	Competition 320	Competition 640
Color resolution	1920x1080px	1920x1080px
Color HFoV	110°	110°
Thermal resolution	512x320 px	1024x640 px
Thermal HFoV	50°	50°
Weight	750g	750g

Detection Ranges\*

Type of object	Buoy, Person	Dinghy, RIB, Inflatable	Motorboat, Sailboat	Large Vessel
Competition 320	up to 100m	up to 450m	up to 1,300m	up to horizon
Competition 640	up to 150m	up to 750m	up to 2,000m	

\*Detection range varies with environmental conditions.

FEATURES

- ✓ AI-powered detection from close range to the horizon
- ✓ Sees farther than the human eye. Day and night
- ✓ Detects small objects, fishing buoys and other floating hazards
- ✓ ±50° rotation
- ✓ 3 view modes with augmented reality: Daylight view, thermal view, map view
- ✓ Customizable alarm settings for proactive alerts
- ✓ Compatible with major brand MFDs, iOS and 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



BEST-IN-CLASS  
MARITIME MACHINE  
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