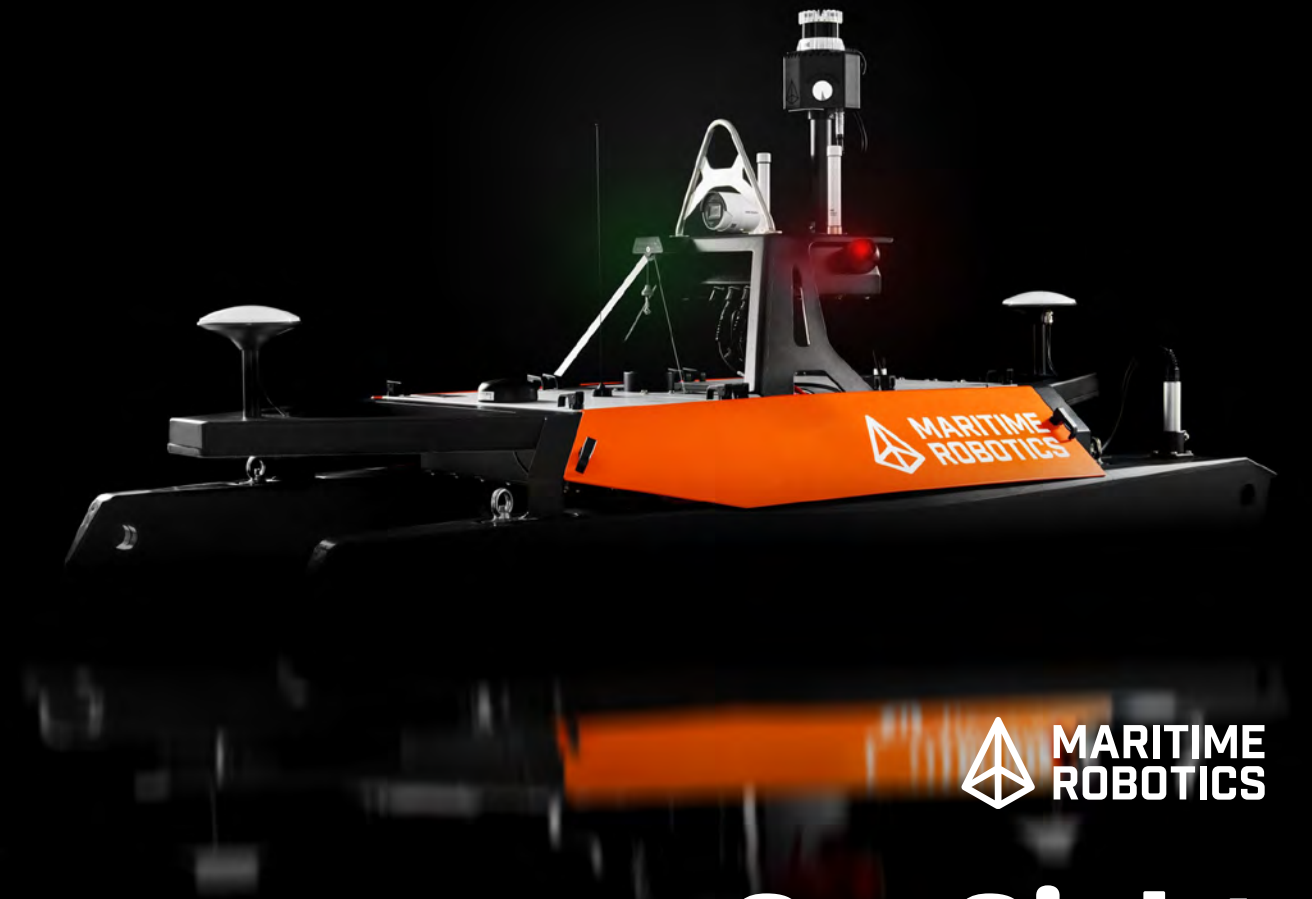




SeaSight

Situational Awareness &
Collision Avoidance System

Enhanced perception for safer, smarter maritime autonomy.

Vision system for uncrewed surface vessels (USVs), designed
for complete 360° awareness, real-time data streaming,
and autonomous navigation support.

SeaSight

Situational Awareness & Collision Avoidance System

www.maritimerobotics.com | (+47) 73 40 19 00 | info@maritimerobotics.com

Full real-time
environmental awareness

SeaSight delivers a seamless 360-degree view using dual 180° panoramic cameras, providing operators with complete **environmental awareness**. From real-time vessel tracking to precise obstacle detection, SeaSight ensures safe and effective USV navigation in both open waters and confined, high-traffic areas.

→ **Optimized for robust patrolling and monitoring in low-visibility or high-traffic environments.**

Collision avoidance
and optimized navigation

Integrated seamlessly with our USV control systems, SeaSight enables intelligent, **real-time collision avoidance**. For vessels like the Otter USV, this capability provides autonomous maneuverability even in complex environments, significantly reducing operator workload and boosting overall operational safety.

→ **Enables advanced autonomous route planning and responsive obstacle avoidance in uncrewed operations.**

High visibility
in demanding environments

Leveraging STARVIS back-illuminated pixel technology, SeaSight ensures superior visibility in **low-light conditions**. This, combined with H.265 SRT video streaming and integrated LiDAR visualization within the Vehicle Control Station (VCS), provides operators with a live, secure, and **detailed understanding of the mission area**, enabling rapid, confident decision-making.

→ **Ensures continuous perception and secure data flow across offshore operations.**



Specifications

FEATURE	DESCRIPTION
Camera resolution	5 MP (MegaPixel)
Sensor technology	Sony STARVIS back-illuminated
Panoramic field of view	360° horizontal (dual 180°)
Vertical field of view	±22.5 degrees
LiDAR range	Up to 170 m
LiDAR resolution	0.7 cm
Streaming format	H.265 encoded via SRT
System integration	Compatible with VCS & USV navigation software

SeaSight System Options

CLASS	CAPABILITIES
SeaSight Otter Class	Collision Avoidance & Situational Awareness
SeaSight Mariner Class	Situational Awareness