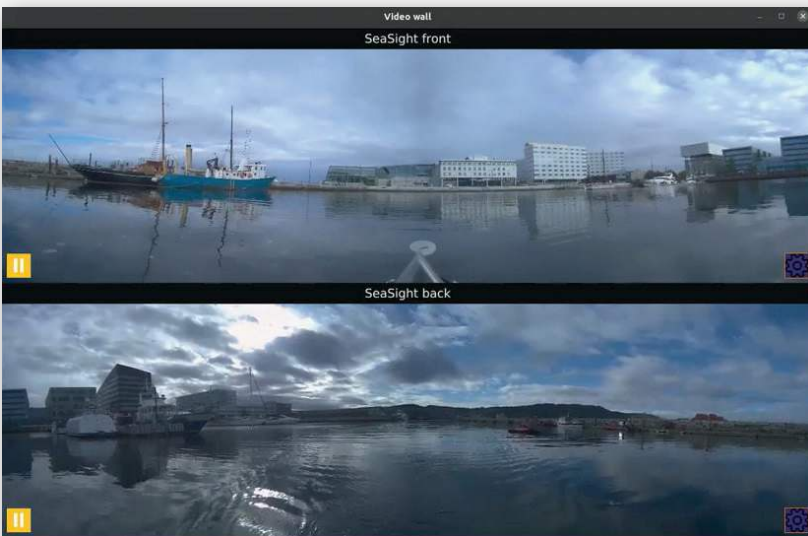




SeaSight

Situational Awareness and
Collision Avoidance

The SeaSight

The **SEASIGHT SITUATIONAL AWARENESS [SA] AND COLLISION AVOIDANCE [Colav]** SeaSight's Collision Avoidance system ensures that the uncrewed vessel avoids potential obstacles such as land, docks, other vessels, buoys, animals, and sea plants. SeaSight uses high-definition cameras, including thermal ones for low-light situations, to provide a comprehensive view of the surroundings.

360-DEGREE PANORAMIC VISIBILITY

Double 180-Degree panoramas providing complete visibility around the uncrewed surface vehicle.



HIGH VISIBILITY IN ALL LIGHT CONDITIONS

Sony starvis illuminated pixel technology allows for **high visibility**, even in **poor lighting conditions**, maximizing operational effectiveness and safety.



OPTIMIZED REAL-TIME VIDEO STREAMING

Optimized **real-time video streaming** through H.265 encoded SRT (Secure Reliable Transport) video, enhancing communication and data transfer efficiency during missions.



REAL-TIME COLLISION AVOIDANCE

Real-time collision avoidance for the Otter, allowing the USV autonomous maneuverability around static objects, bolstering safety and operational autonomy.



LIVE LIDAR DATA VISUALIZATION

Elevated **situational awareness** through live LiDAR data visualization in the Vehicle Control Station (VCS), providing operators with real-time insights for informed decision-making.





LiDar sensor interface

360 degrees horizontal field of view

$\pm 22,5$ degrees vertical field of view

Up to 170m range

0.7cm range resolution

Camera

5 MP (MegaPixel)

Sony STARVIS back-illuminated pixel technology

SeaSight Otter class offers:

Collision Avoidance

Situational Awareness

SeaSight Mariner class offers:

Situational Awareness



▲ Video stabilization and video overlays giving enhanced situational awareness to the operator.

Enabling ocean space autonomy

Maritime Robotics is a **leading supplier of autonomous navigation systems and uncrewed platforms**, enabling ocean space access through autonomy. The company **delivers innovative solutions** world-wide, facilitating safe and cost-effective ocean operations that significantly reduce CO₂ emissions.

Since 2005, Maritime Robotics has been developing and supplying **autonomous and remotely operated systems and platforms for ocean operations** including marine mapping and surveying, met-ocean data acquisition, harbor security, research, and ROV-support to global industry professionals. The company is in Trondheim and Vanvikan, where an experienced team with access to every aspect of the supply chain is ensuring global success.



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