

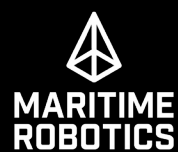


SeaCapture

Real-time software for data acquisition and mission control

Enhanced awareness for smarter maritime autonomy.

Efficient survey planning, data collection, and quality monitoring, all from a single, intuitive interface.



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

SeaCapture

Real-time software for data acquisition and mission control

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

Smarter planning
with automation and control

SeaCapture lets operators plan and manage survey missions directly from the control station. It offers full access to payload functions and mission routes, including automated features like swath-based area coverage and SVP cast triggering. This helps reduce manual steps, save time during setup, and keep the operator focused on data quality and mission progress.

→ **Ideal for high-volume data collection and repetitive offshore operations.**

Live visualization
with real-data display

Operators get a real-time view of sonar data, including swath coverage, depth, and signal quality. The display can be adjusted with custom color palettes, and LiDAR information appears directly in the control interface. This allows teams to spot issues immediately, fix them on the go, and avoid unnecessary re-surveys, improving both speed and reliability.

→ **Built for real-time awareness and responsive data control.**

Reliable results
from mission to output

SeaCapture gives you tools for live quality control during and after acquisition. Operators can check gridding, density, and standard deviation, and apply patch tests to ensure accuracy. Raw data is recorded and ready for export, delivering clean, usable datasets with minimal editing needed in post-processing.

→ **Delivers reliable datasets ready for seamless downstream use.**



Specifications

FEATURE	DESCRIPTION
Core functionality	Real-time logging and processing of sonar and payload data
Integration	Fully integrated with Maritime Robotics' Vehicle Control System
Real-time features	Swath display, depth and coverage visualization, LiDAR overlay
Autonomy features	Mission planning, swath-based area coverage, automatic SVP casts
Quality control	Gridding, patch test application, depth, density, and deviation checks
Export	Raw format logs and point cloud data export
Sensor support	Multibeam and singlebeam sonars, CTD/SVP, LiDAR, navigation systems
Streaming format	H.265 encoded SRT video streaming support
Supported sonar brands	Kongsberg, Norbit, Teledyne, R2Sonic, Ping DSP, Odom
CTD/SVP brands	AML, Valeport
LiDAR support	Velodyne, Norbit LiDAR
Navigation input	Applanix POS MV, SBG Systems, Trimble, NMEA GGA/HDT
RTK support	Real-time corrections visualized in control interface

Curious to know if your system is supported?
Contact us to check compatibility and integrations.

