

BAYONET

WORKSPACE

// **ROBOTICS**

CONTROL

TRAINING

THREAT & SECURITY INSPECTION

Sweep

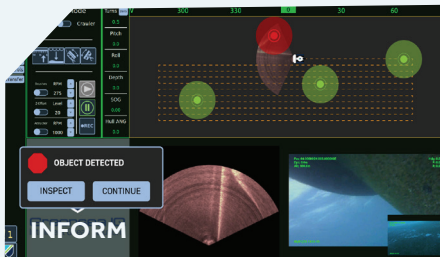
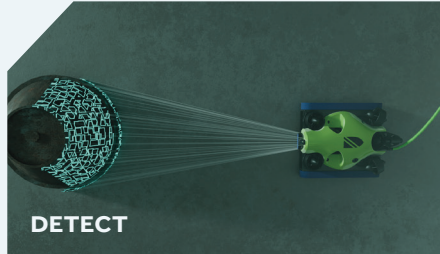
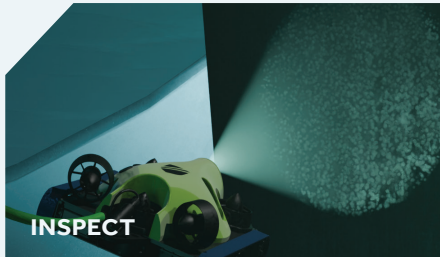
Rapid Search & Inspection

Sweep is the newest addition to the Bayonet portfolio delivering force protection for navies, security teams, and port and harbor authorities through rapid hull inspection in a single autonomous workflow. Built on defense-proven robotic technology and precise data collection, Sweep executes comprehensive visual inspection, detection, and classification, giving operators a decision-ready visual of threat conditions without putting divers in the water.



WORKFLOW

Bayonet Sweep is a flexible inspection vehicle designed to execute a full hull sweep workflow. It conducts submerged visual inspection through free-flight operation or attaches to the hull for close-contact inspection, gathering and reporting real-time data.



SPECIFICATIONS

Size & Weight

LENGTH	30 in / 76.2 cm
WIDTH	22 in / 55.8cm
HEIGHT	10 in / 25.4 cm
DRY WEIGHT	57 lbs / 25.8 Kg

Power Requirements

SYSTEM INPUT VOLTAGE	120 OR 240 VAC
PEAK POWER	1750W

Operational Control & Specifications

CURRENT OPERATION (ON HULL)	up to 3 knots
NAVIGATION POSITIONING	Greensea's high-precision open INS
SOFTWARE / USER INTERFACE	Greensea Core / Bayonet Workspace

COMPONENTS

Hull Interaction

- Non-magnetic hull attachment through vortex adhesion
- Operational flexibility with the ability to detach for free-flight inspections
- Specialized treads maximize operational performance

High Performance Sensor Suite

- Optimizes autonomy and navigation
- Standard fwd/aft high-definition cameras
- Obstacle detection, avoidance & hull mapping
- High-resolution multi-beam sonar

TECHNICAL DATA

Hull Intelligence in a Single Workflow

- Georeferenced threat detection, classification, and reporting
- Built on Greensea IQ's Core software robotic framework

Robotic Autonomy with Topside Communication

- Real-time visibility of threat detection and vehicle operation
- Integrated workspace alerts and camera feeds for informed assessment
- Operates on Greensea Core Software with the same user interface family as several active defense programs of record.

Rapid-Response Deployment

- Single-person portable transport
- Maximize efficiency by deploying several robots that operate independently to sweep areas of the hull simultaneously

Sensor and Payload Configurations

- Hi-definition camera paired with sonar for low-visibility detection
- Modular chassis design for custom payload requirements

Specifications subject to change without notice.