



ΣΑΡΙΣΑ

Uncrewed Surface Vehicle

SEMI-AUTONOMOUS UNCREWED SURFACE VEHICLE

Persistent Maritime Surveillance & Infrastructure Protection

A compact, semi-autonomous surface vehicle engineered for continuous patrol of ports, harbors, and critical maritime installations. Human authority at the centre of every decision.

Rather than replacing operators, ΣΑΡΙΣΑ (SARISA) acts as a force multiplier — enabling persistent coverage of port perimeters, naval bases, and restricted maritime zones with minimal personnel.

- **Persistent Surveillance**
24/7 coverage via unit rotation — one patrols while another charges. No operational gaps.
- **Force Multiplication**
Extends what operators can see and respond to. Maximum coverage with minimum personnel.
- **Infrastructure Protection**
Monitors ports, harbors, naval bases, marinas, and critical maritime installations.
- **Reduced Signature**
Zero emissions, low thermal signature (FLIR invisible), near-silent electric propulsion.

~50 kg

Displacement

3-4+ h

Endurance

GPS-Denied

Navigation

Human-in-Loop

Command Mode

TECHNICAL SPECIFICATIONS

Dimensions	~2 m x ~0.7 m
Weight	~50 kg
Propulsion	Silent electric twin-motor, zero emissions
Patrol Speed	~5 km/h
Max Speed	30-40 km/h
Endurance	3-4+ hours at patrol speed
Navigation	GPS-independent in structured environments
GPS Receiver	Septentrio anti-jam / anti-spoof (EU)
Sensors	Optical camera, IMU, radar
Command Model	Human-in-the-loop
Architecture	Modular — hull customisable, electronics retail



Bow profile — sensor and antenna array

KEY CAPABILITIES

- Low-profile covert presence
- Near-silent electric propulsion
- Zero emissions — unrestricted port operation
- Low thermal signature (FLIR resistant)
- Contested-spectrum GPS positioning
- Modular payload architecture
- Single-operator deployment

MISSION APPLICATIONS

01 Port Security

Autonomous perimeter patrol, detection of unauthorised vessels, 24/7 surveillance of restricted zones.

02 Naval Base Protection

Covert monitoring of berthed vessels, early warning, controlled-access area surveillance.

03 Marina & Harbor Surveillance

Vessel tracking within controlled harbor environments. Anti-smuggling and access control.

04 Critical Infrastructure

Protection of waterfront installations, energy infrastructure, and high-value maritime assets.

OPERATIONAL CONCEPT



24/7 coverage via unit rotation — one patrols while another charges — no operational gaps

CONTACT

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