

aselsan



MARLIN

UNMANNED SURFACE VEHICLE

SURFACE & ELECTRONIC WARFARE OPERATION

35 KTS SPEED

AUTONOMOUS OPERATION

HIGH MANEUVERABILITY

ACTIVE STABILIZATION SYSTEM

DYNAMIC POSITIONING SYSTEM

MULTIPLE COMMUNICATIONS STRUCTURE

EO/IR CAMERA





MARLIN

UNMANNED SURFACE VEHICLE

MARLIN-ASV is an Unmanned Surface Vehicle with advanced autonomous capabilities. It has been developed for surface and electronic warfare, reconnaissance and surveillance, base/port/critical ship-facility security and amphibious operations. By modular design, it allows to integrate different payload configurations.

Equipped with advanced communication and positioning systems, MARLIN can operate uninterruptedly under signal jamming.

General Features

- Dynamic Positioning System
- Active Stabilization System
- KARETTA Anti-Jam GNSS
- Auxiliary Power Unit
- Radar, AIS
- Obstacle Avoidance Sonar
- ANS510-D Inertial Navigation System

Communication

- Broadband Satellite Communication System
- Narrowband Satellite Communication System
- RF Communication
- 4G / LTE Communication

Autonomy Features

- Autonomous Mission Planning and Task Distribution
- Sensor Fusion
- Fixed and Moving Obstacle Detection and Dynamic Path Planning
- Day/Night Autonomous Operation Capability
- Joint Operation Execution with Other Unmanned Aspects
- Autonomous Operation Capability in any GNSS and Communication Interruption

Technical Features

- Width : 3,85 m
- Length : 15 m
- Weight : 21 ton
- Max. Speed : \geq 35 kts
- Endurance : \geq 72 hrs
- Propulsion System : 2 Diesel Engines
- Payload Capacity : \geq 4 tons

Payload Options

- KIRLANGIÇ EO/IR Camera
- Electronic Warfare
 - ARES 2NC ESM System
 - AREAS 2NC ECM System
- Surface Warfare
 - STAMP-2L Stabilized Weapon
 - KUZGUN
 - L-UMTAS/CİRİT

Control Station

- Navigation and Mission Planning / Execution
- Payload and Subsystem Control
- Data Display
- Live Image/Data Transfer
- Portable Container

Operation Capabilities

- Transition to the Mission Area from the Port or Logistics support Ships, Amphibious Ships
- Autonomous or Remote-Control
- Joint Operation with Other Operational Elements
- Integrated Operation with Combat Management System
- Radar Detection and Identification with ESM System
- Radar Jamming and Deceiving with ECM System
- Medium and Long-Range Attack with Surface Warfare