

aselsan



MIR

UNMANNED SURFACE VEHICLE

ANTISUBMARINE WARFARE

35 KTS SPEED

AUTONOMOUS OPERATION

HIGH MANEUVERABILITY

ACTIVE STABILIZATION SYSTEM

DYNAMIC POSITIONING SYSTEM

HYBRID SWARM CAPABILITY

MULTIPLE COMMUNICATIONS STRUCTURE

EO/IR CAMERA





MIR

UNMANNED SURFACE VEHICLE

MIR Unmanned Surface Vehicle is a new generation USV basically developed for anti-submarine warfare purpose. Thanks to its modular design, MIR can also perform different tasks such as surface warfare, reconnaissance and surveillance, electronic warfare, base/port/critical ship-facility security and amphibious operations. Different payload configurations can be integrated on it.

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

Autonomy architecture and software, which is developed by ASELSAN, gives capability to hybrid swarm and joint operation with other elements.

General Features

- Dynamic Positioning System
- KARETTA Anti-Jam GNSS
- Active Stabilization System
- Auxiliary Power Unit
- Radar, AIS
- Forward Looking 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 and Hybrid Swarm Mission Execution with Other Unmanned Aspects
- Autonomous Operation Capability in GNSS and Communication Interruption

Technical Features

- Width : 3.85 m
- Length : 15 m
- Weight : 21 tons
- 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
- STAMP-2L Stabilized Weapon
- ASW Sonar Systems
 - Dipping Sonar
 - Diver Detection Sonar
- Lightweight Torpedo
- ASW Rocket
- Sonobuoy System

Control Station

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

Operation Capabilities

- Transition to the Assigned Mission Area from Ports or Ships
- Autonomous or Remote-Control Modes
- Capable of Joint Operation with Other Elements
- Integrated Operation with Combat Management System

