

## L30

### Unmanned Patrol Vessel



**36 KN**

Max. Speed

**280 NM**

Endurance

**300 KG**

Payload



Electro-optical Pod



Forward-looking Sonar



Self-inflating Life Raft

The L30 is a versatile medium-sized surveillance USV designed for river and nearshore environments, offering both manned and unmanned driving modes. It provides waterborne surveillance and alert capabilities, emergency rescue functions, as well as the option for an audiovisual deterrent system.

#### Application Scenarios

Conducting 24/7 patrols and security missions, performing target surveillance, tracking and issuing warnings to suspicious vessels, enabling underwater object detection with sonar equipment, coordinating search and rescue with a self-inflating life raft, and facilitating oil spill detection through the use of an oil-in-water analyzer in rivers and nearshore areas

#### Key Features

- 1 Accessing dangerous and human-inaccessible areas
- 2 Saving manpower while ensuring personnel safety
- 3 Conducting long-distance searches, range-finding, and locating, even at night
- 4 High operational intensity and exceptional mobility
- 5 Real-time data and video transmission for rapid response capabilities
- 6 An integrated networking system for seamless data sharing across departments

# SPECIFICATIONS

## Physical

Dimension	7.5m(L)*2.6m(W)
Weight	4.5t
Draught	0.6m
Hull Material	Aluminum-magnesium Alloy

## Performance

Max Speed	36 kn
Endurance	280nm @ 25kn
Operation Sea State	Sea State III
Payload	300kg

## Power & Propulsion

Propulsion	Steyr Diesel Engines × 2 + Alamarin Water-jet × 2
Power for Electronics	Battery Pack + Diesel Generator
Fuel Capacity	Diesel 700L

## Navigation Aids & Safety

Situation Awareness	Navigation Radar, LiDAR, AIS, Camera, Echo Sounder
Collision Avoidance	Dynamic / Static Collision Avoidance

## Control & Communication

Control Mode	Remote Control / Autonomous / Manual
Communication	Private Network 10-20km, Remote Controller 1km Public Network, Satellite Communication, VHF Radio on Board
Software	OceanAlpha USV Navigation & Mission Software

# INTEGRATIONS

Electro-optical Pod

Policelight

Searchlight

Loudspeaker

Side Scan Sonar (Optional)

Forward-looking Sonar (Optional)

Self-inflating Life Raft (Optional)

Audiovisual Deterrent (Optional)

# APPLICATION CASE



## UNMANNED SURFACE VESSEL FOR ANTI-ILLEGAL IMMIGRATION MISSION

### EQUIPMENT USED:

L30 USV

### MISSIONS:

- ① Effectively reduce illegal immigration cases
- ② Ensure the safety of the police
- ③ Deter criminals