

Autonomous Surveillance & Rescue Vessel M75

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Autonomous Surveillance & Rescue Vessel M75

High-speed surveillance and outstanding performance during night shifts



Specifications

Dimensions: **5.30m(L)*1.72m(W)*2.85m(H)**
Displacement: **1350kg**
Draught: **0.42m**
Hull Material: **Carbon fiber composite**
Payload: **50Kg**

Performance

Max Speed: **26Knts**
Endurance: **120Nm**
Survival Sea State: **Sea State IV**
Operation Sea State: **Sea State III**

Control&Communication

Control Mode: **Autonomous / Remote control**
Range: **With Remote control 1km**
Autonomous control (LTE) 15km
Software: **USV Control software**

Propulsion

Propulsion: **Water jet thruster**
Engine: **110HP diesel engine**
Fuel capacity: **120L**
Fuel type: **0# diesel**

Navigation aids & Safety

Camera: **Panoramic 720P HD camera**
Back camera
Electro optical pod (Night version)
Radar: **Laser radar, navigation radar**
Collision Avoidance: **YES**
AIS: **YES**
Conspicuity: **Loud speakers, search light, warning lights**
Add-ons: **VHF radio station / oil spill detection system / electable life raft**

Dedicated for maritime surveillance and rescue

The M75 is integrated with comprehensive searching, data, communication and rescue modules, making it an ideal vessel for maritime surveillance and rescue



Search Module



Information



Help Module

Outstanding performance at night

The photoelectric pod enables the USV to search at night and take high resolution photos for evidence.

Equipped with smart rescue equipment

The USV is deployed with smart rescue equipment like an eject able life-raft, a remote controlled life bed and a lifebuoy.

Collaborative large-scale search and rescue missions

The USV can autonomously team up to conduct massive-scale search & rescue missions to locate victims.

Quick emergency response time

The USV runs on a high-speed water jet motor and can reach a maximum speed of 30 knots, allowing for quick emergency response times



Deployed with night search equipment and safe equipment, unmanned surface rescue boat can work **day and night 24/7**

Cooperate with police/coast guards also

SURVIVAL Equipment parameters

Crew Onboard **6 Persons**

Package Dimension **0.46×0.8 m**

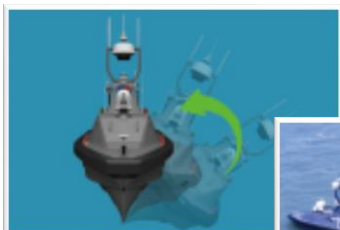
Weight **About 35 kg**

Dimension **1.82*1.82*1.2 m**

Items in Life Raft **Fresh water, food. medicine etc.**



Self-straightening function can prevent asset loss



High-speed water jet provides great maneuverability, enabling operations in extreme shallow waters



Able to eject a life raft automatically to provide in-time rescue



Electro-optical pod can recognize and track long-distance targets and measure range



M75 is specified to apply in security, patrol, Search & rescue, investigation and evidence collection areas.

With high speed propulsion system, M75 could arrive target place at the first moment.

It is also available to switch between manned and unmanned mode, so that you can choose how to control it based on the situation.

LTE communication within 15km Using

LTE communication, the USV can interact with the base station within 15km and send back videos and data in real-time.

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Long Endurance



26Knts High Speed



Autopilot

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