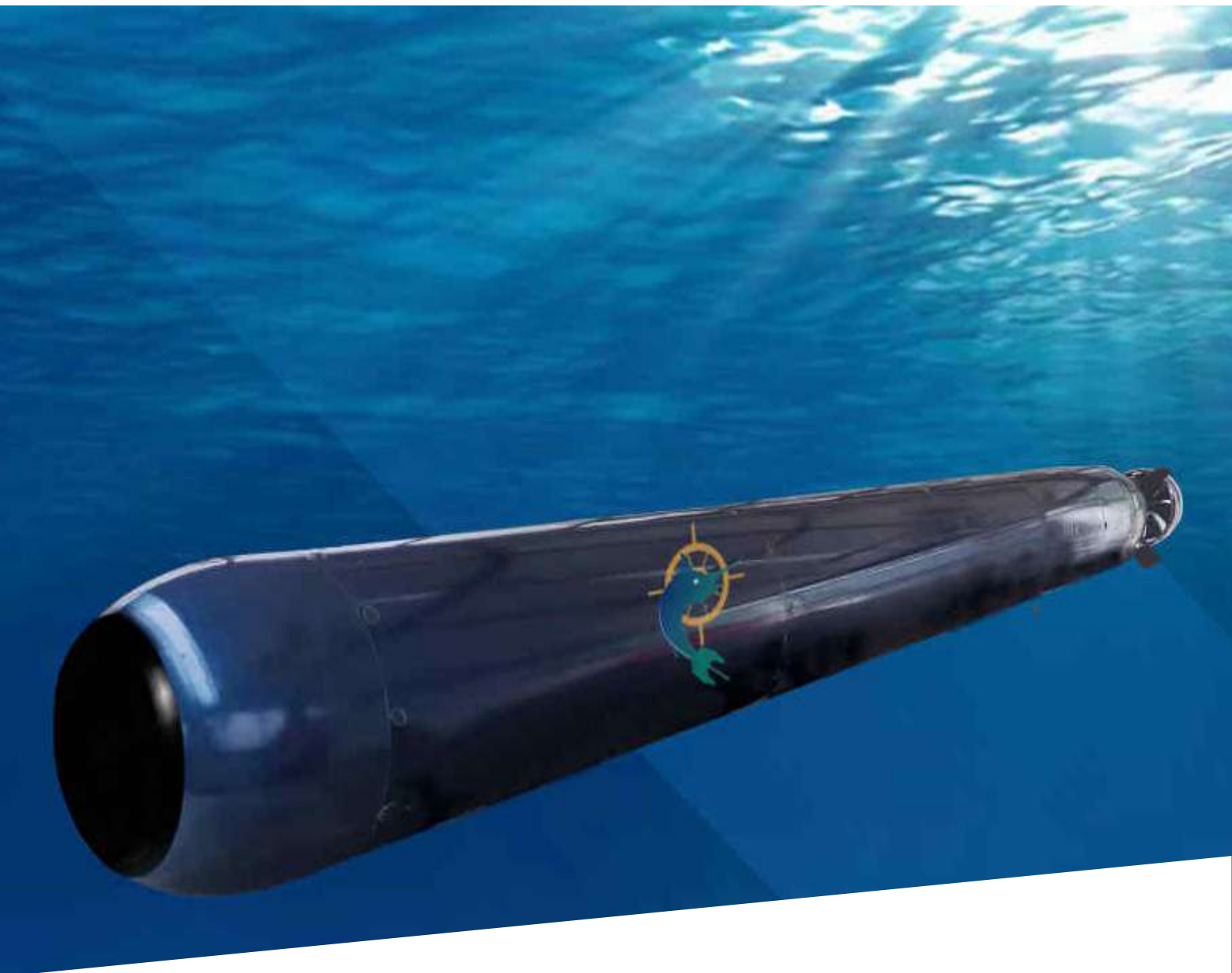


SAILFISH

Unmanned Underwater Vehicle

High Speed Ultra Light Unmanned Underwater Vehicle



Introduction

Sailfish high-speed ultra-light UUV is featured with small-diameter and multi-functions. With two configurations of 210mm/260mm diameter, the UUV can match with different cabins to meet the demands underwater detection, area defense and offensive defense against vessel/submarine. It is mainly used in manned/unmanned vessels, manned/unmanned aircrafts and consoles.

FEATURES

- **Sailfish High-Speed Ultra-Light UUV**

Has detection and torpedo strike function.

According to different tactical goals, it can be used as a detection UUV or attack -type small torpedo.

- **Sailfish High-Speed Ultra-Light UUV**

Suitable For Different Launch Platforms.

It can be launched independently by self -available, and it can also be equipped with different launch platforms.

- **Sailfish High-Speed Ultra-Light UUV**

Has good performance and cost-effective for the end user.

With improved modularity and maximum payload flexibility

Adaptable system for both military and commercial applications.



Description	Specification 1	Specification 2
Diameter:	210 mm	260 mm
Length:	2680 mm	270 mm
Weight Net:	90 kg	110 kg
Guidance and Control Mode:	Autonomous Navigation + Fiber Optic Guidance	
Power:	Electrical (can be recharged repeatedly)	
Max Power:	20.5 kw	28.3 kw
Cruising Speed:	8 to 10 km	8 to 10 km
Sprinting Speed:	30 to 33 km	30 to 33 km
Tactical Range:	15.6 km to 20.6 km	15.6 km to 20.6 km
Explosive Yield:	32.8 kg (TNT)	41 kg (TNT)
Optional Load Function:	Underwater multi-beam detection/video and spotlight/tracking sonar	Underwater multi-beam detection/video and spotlight/tracking sonar / optical fiber guidance



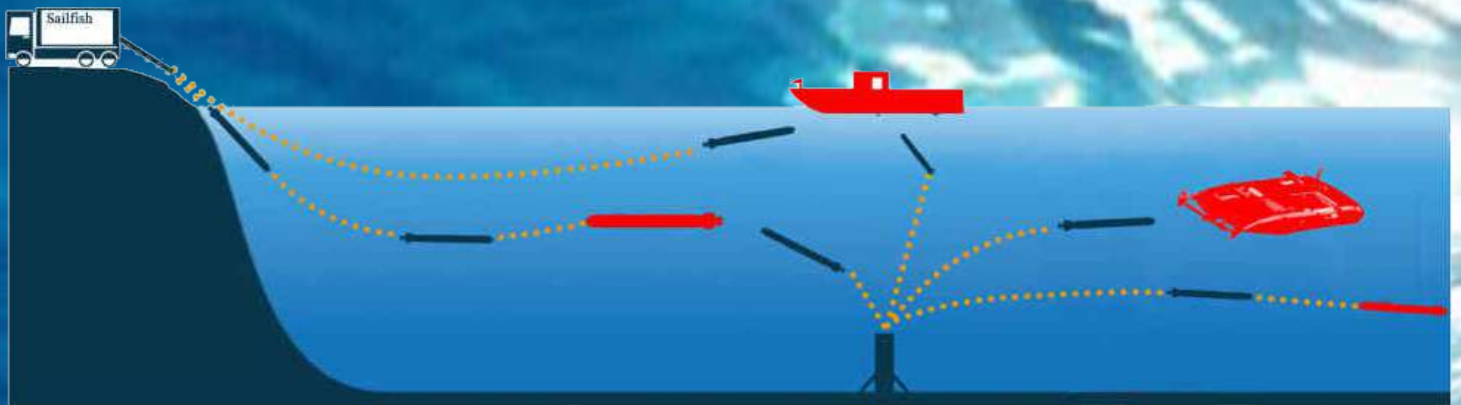
DETAILED INDICATOR

Sailfish Detailed Indicator

Detection Index

1. Thirty-two-element array, the search sector is ± 30 degrees.
2. The distance of active acoustic homing is greater than 700m.
3. The distance of passive acoustic homing is greater than 1000m.
4. The target doppler velocity range includes -4km to -45km and 4km to 45km .

COMMON TACTICAL PICTURE



STRIKE OBJECT



FIT LAUNCH VEHICLE

SUBGRADE LAUNCH



1. Provide automatic launch and recycling platform for Sailfish.
2. Can complete Sailfish launch under the condition of single-person operation.
3. Can complete the recycling work in the training process.

LAUNCH OF UNMANNED CRAFT



OTHER MODES OF LAUNCH



Surface Ship Launch



Fixed Wing Drone Launch



Manual Manipulation

MODELS & TYPES



Used For Training
Can Be Recycled



Used For Actual Combat
Not Recyclable

PRECAUTIONS

1. Charging Every 3 Months To Maintain Batteries
2. Other Maintenance Once Every 5 Months

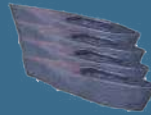
SPARE PARTS



Charger



Propellor



Rudder Plate



Fiber Optic Wires 21 km



Seals



Tool Kit



Lanyards



Manual



Storage Case



FIBER OPTIC

Guidance Release Device



The new generation of fiber optic guidance release device can achieve long-distance cross-medium fast cable communication transmission, application scenarios is suitable for air and underwater environment, no fear of interference, small size, high rate transmission, suitable for all kinds of small missiles, unmanned aerial vehicles, cross-medium systems, all kinds of underwater vehicles, etc. The release speed in air is >1 Mach, and the actual test in water is >45 kn.

Models

Model	Release Distance	External Dimensions
BCS FO-1A	≤ 5 km	132mm x 92mm x 90 mm
BCS FO-1A	5 km to 10 km	266mm x 190mm x 180 mm
BCS FO-1A	≥ 10 k	To Customer Requirements

Appearance



Performance

Performance Index	Parameter
Tensile Strength	≤ 85 N
Decay Constant	≤ 0.30 dB/Km(1550nm), ≤ 0.46 dB/Km(1310nm)
Working Temperature	-45°C to +75°C
Corrosion Resistance	Seawater Corrosion Resistance