

# AUV Torpedo



Ultra-portable 30kg



Long range 5km



Compact Ø300mm



Multi sensors



## SUBSEA TECH

Marine and Underwater Technologies

**The Torpedo AUV** is an autonomous underwater vehicle designed for internal inspections of pipelines and galleries over distances of up to 5,000 meters.

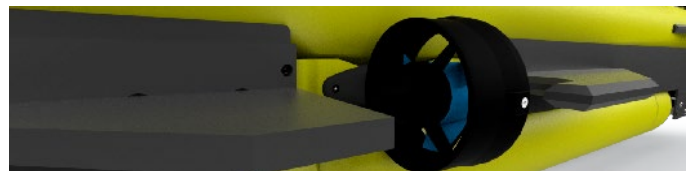
Equipped with a front-facing Full HD camera with integrated lighting, it can also carry various sensors such as a multibeam sonar for acoustic imaging and a profiling sonar.

A 2.1 mm diameter Dyneema cable connects the vehicle to a surface winch, allowing for its retrieval at the end of the mission and the measurement of the distance traveled thanks to the winch's odometry system.



### VIDEO CAMERA

The Torpedo is equipped with a Full HD 1080p color camera and integrated LED lighting.



### PROPULSION

Featuring two horizontal thrusters and a large battery capacity, the Torpedo can travel up to 5 km inside pipelines.



### ODOMETER

The electrical winch contains 5 km of ultra-resistant Dyneema cable and is equipped with an odometer system to precisely measure the distance covered by the Torpedo.

# TECHNICAL SPECIFICATIONS

## KEY FEATURES

<b>Maximum Depth</b>	50m
<b>AUV Dimensions</b>	L 1424mm x W 310mm x H 310mm
<b>AUV Weight</b>	30kg in air / 5kg in water (adjustable)
<b>Optimal Acquisition Speed</b>	0.5 to 0.9 knots

## PROPULSION AND POWER

<b>Propulsion</b>	2 Blue Robotics T200 thrusters (2x5.1kgf @350W)
<b>Power Supply</b>	18V@64Ah 5S Li-ion Batteries on-board

## SYSTEM CONTROL

<b>Startup</b>	Magnetic key for ON/OFF function
<b>Remote Control</b>	No
<b>Odometry and Data Control</b>	PC running Linux with dedicated software
<b>Data</b>	Automatic recording of timestamped data but no real-time visualization

## SENSORS

<b>Camera</b>	Full HD 1080p
<b>Lighting</b>	Integrated LED lighting with intensity control
<b>IMU</b>	PU9250, accuracy 0.1° (attitude)
<b>Depth</b>	MS5837, accuracy 0.1m
<b>Odometer</b>	Mounted on the winch
<b>Date/Time</b>	Sensor and odometer synchronization. Timestamping of recordings

## CABLE

<b>Type</b>	For speed control, odometry, and vehicle recovery
<b>Material</b>	Dyneema fiber with polyamide coating
<b>Diamètre</b>	Ø 2.1mm
<b>Length</b>	5,000 meters
<b>Résistance</b>	340 daN

## PACKAGING

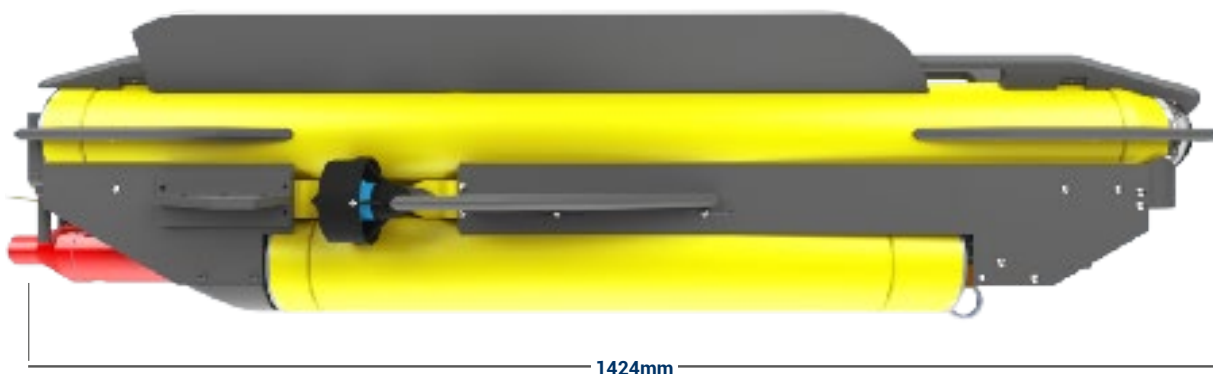
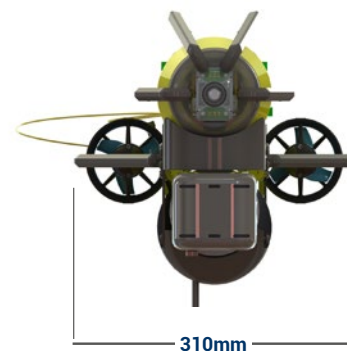
<b>Box 1</b>	L 1540mm x W 280mm x H 490mm (AUV)
<b>Box 2</b>	L 820mm x W 780mm x H 810mm (winch)
<b>Total Weight</b>	166 kg

## MAINTENANCE ET WARRANTY

<b>Documentation</b>	Electronic operator manual
<b>Maintenance</b>	No specific maintenance required
<b>Warranty</b>	1 year parts and labor


## OPTIONS

<b>Acoustic Camera</b>	Oculus or Blueview M900 2D imaging sonar
<b>Profiling Sonar</b>	Imagenex 831A



[WWW.SUBSEA-TECH.COM](http://WWW.SUBSEA-TECH.COM)

 [st.sales@subsea-tech.com](mailto:st.sales@subsea-tech.com)

 +33 (0) 491 517 671

 [subsea-tech](https://www.linkedin.com/company/subsea-tech)

SUBSEA TECH SAS - 167 Plage de l'Estaque, 13016 Marseille, FRANCE - Capital : 60 000 € - 485 282 370 RCS MARSEILLE