THE DRONE REVOLUTION UNDERWATER



Hydrus, a fully autonomous submersible drone, will revolutionise undersea research, survey and exploration by making data capture easy, safe and affordable.

As an all-in-one autonomous solution, it is operational straight out of the box, without specific knowledge or training required. Using the simple online platform, users can plan and execute underwater missions in 3D.

Its compact size and minimal weight means it can be launched by a single person and taken as carry-on when flying.



HYDRUS

Autonomous Drone

Truly Autonomous

Hydrus takes the drone revolution underwater with the most advanced sonar, navigation and communications systems of any subsea vehicle. It contains a DVL, USBL, INS, acoustic and optical modems, all tightly integrated. This enables highly reliable, fully autonomous underwater missions at your fingertips. It also provides obstacle detection and collision avoidance.



Small and Affordable

Hydrus condenses its advanced features into one of the smallest, and most affordable autonomous underwater vehicles on the market. Its compact size and minimal weight means it can be launched by a single person and taken as carry-on when flying.



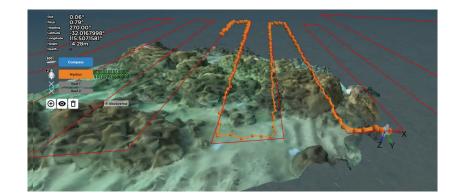
Open Platform

Hydrus is able to integrate custom software offering full access to the camera, sensors, navigation, modems and control. The powerful and open architecture is ideal for machine vision and Al applications.



Stunning 4K Imagery

Hydrus produces stunning imagery, even in challenging low light and harsh conditions. Equipped with a cinema-grade 4K 60 frames per second camera combined with an Al engine to analyse image quality - Hydrus can learn what it needs to capture on the fly. It can also create 3D models of underwater objects by combining imagery with its sonar and navigation data.



Simple Mission Control

Hydrus takes complex mission design out of the expert domain and into the hands of anyone that's interested in underwater data. Users only need to access a web browser to use the online platform. Then, simply point and click using the provided map to plan underwater missions in 3D. It's that simple.

Features



THRUSTERS

Specifications

FLIGHT SAFE

BATTERY

MODEM

CAMERA

Speed	_ 4 knots	Size	484 x 264 x 216 mm
Range	_ 9 km	Weight	_ 6.4 kg
Endurance	_ 3 hrs	Video Resolution	_ 4K @ 60 FPS
Depth Rating	_ 3,000 m	Lighting	20,000 Lumen

LIGHTING



HEAD OFFICE

+61 2 9099 3800

sales@advancednavigation.com

Level 12, 255 George Street Sydney NSW 2000 Australia

NORTH AMERICA

+1 863 777 0224

usasales@advancednavigation.com

Suite #100, 1420 Kettner Blvd San Diego CA 92101 United States

EUROPE

+44 20 3875 3118

emeasales@advancednavigation.com

One Kingdom Street Paddington Central, London W2 6BD United Kingdom

SUBSEA RESEARCH CENTRE

+61 8 6146 5600

245 Balcatta Road Balcatta WA 6021 Australia

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