

# DeepCat

## ASV Sensor Platform

### Main Features

- Autonomous
- Flexible
- Platform independent
- Multiple sensor alternatives
- 8+ hours autonomous operation
- Survey grade

**DeepCat** is the future of autonomous sensor data collection. DeepCat from DeepVision is much more than just a vehicle, it's a complete system. In this case it is presented with a highly portable catamaran. The system might as well be fitted in almost any kind of hull, from a small portable version up to a large size boat. All depending on mission and the area where it will be operating.

The DeepCat system consists of:

- a mission planning software with advanced planning of tasks.
- a control system that allows it to operate autonomously, controls the sensor modules and stores collected data.

Data will be stored on board the vehicle and can easily be downloaded through WiFi to a laptop via the base station.

The same way a mission can be planned in a laptop and uploaded to the vehicle. The planning software handles multiple vehicles.

Pictured DeepCat version has a survey speed of 2-3 knots and will operate for more than 8 hours on one charge. It can be equipped with a customized side scan as well as survey grade depth sounders.



Model name	DeepCat
Length	120 cm
Width	75 cm
Height	35 cm (not including antenna)
Weight	14 kg
Operating time	8+ hours
Survey speed	2-3 knots

Due to its small size it is possible to carry multiple DeepCats in one boat and put them in the water at different locations. Once the mission is completed it will return to a given location and stay parked there until pickup. There is also a RC control that will override the mission. This is perfect when executing surveys in areas with traffic where it might be needed to move out of the way. It is also great if pick up of the vehicle is done from land. When creating the mission place the parking after mission location within sight. When you want to pick it up just override the mission and drive it to shore where it can be collected.

## DeepVision

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