

Autonomous Survey Solution



D.A.S. BOAT
DIVELOG AUTOMATED SURVEY BOAT

Specification Sheet

Rev. 2014-28-03

4-23 Nihan Dr., St. Catharines, Ontario, Canada L2N 1L2

Phone: (905) 687-6672 Fax: (905) 687-9742 WWW.SHARKMARINE.COM

D.A.S. Boat can be operated manually using a hand controller, or autonomously follow routes created in it's control software "DiveLog". While in Autonomous mode, data and position information is sent wirelessly to a shore station allowing operators to monitor the vessels progress, send updated way-points and routes or take manual control of the craft. Once the vessel reaches it's endpoint it will automatically go into station keeping mode and wait for the operator to enter a new waypoint, route or to take over manual control.

The D.A.S. Boat System can be used on any size unmanned surface vessel. DiveLog can output a standard autopilot data string for used on manned vessels.

Data collected by D.A.S. Boat can be viewed realtime in DiveLog and exported for processing in programs such as Hypack, Caris, and Fledermaus, or for use in Shark Marine's Sediment Accumulation Monitor (S.A.M.) Software.

Control:

Manual Operation:

- Hand Controller.

DiveLog Automated Controls:

- Positioning accuracy to 2cm
- Station Keeping
- Goto Waypoint / Target
- Survey Route Following
- +/- .25 m (.8') Average Cross Track (Pending Environment / Weather)



DiveLog control software also provides Sonar Coverage Mapping and Report Generation

Sensor Options:

- Single Point Sonar,
- Multi-Beam Sonar
- Side-Scan Sonar
- Video Cameras And More...



Boat Specifications:

(Based on Ocean Science Z-BOAT 1800 platform)

Hull Length:	180cm (5.09ft)
Hull Width:	90cm (2.9ft)
Weight:	30kg (66lb)
Payload:	20kg (55lb)
Survey Speed:	3-4 kts
Max Speed:	10 kts
Battery Endurance:	Up to 240 min
Other Platforms Available	