

KEY FEATURES

High Precision

- Differential GPS with RTK for high accuracy cartography (GPS, GLONASS and ASCOS)
- S2C ultra-broadband Echosounder (depth measurement accuracy $\pm 1.5\text{cm}$, min. depth 0.5m, max depth 40m)
- Sidescan Sonar option

Versatility

- Autonomous and radio controlled operation modes
- Multiple communication options: Wi-Fi, GPRS/UMTS, RC
- On-board data logging, wireless transmission on demand

Flexibility

- Integrated camera for operation in remote locations and surveillance
- Fast access to points of interest, precise maneuvers and efficient area scanning thanks to gently controllable hydro jet thrusters
- Batteries for up to 10 hours operation
- Software for field operation and data processing with visual georeferenced representations

EASY HANDLING

- Fast assembly without special tools
- Can be handled by a single person
- Fits into a car trunk for transportation

SAMPLE APPLICATIONS

- Hydrographic Survey: Ports, Harbors, Inland Waters
- Measurement of sediment thickness
- Object detection (munitions, archeological artifacts, wrecks)
- Survey missions in shallow water or human-restricted areas
- Inspection of underwater constructions and infrastructure (pipes, cables, walls, etc.)

Further information and sales

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**AUTONOMOUS AND EFFICIENT MEASUREMENT
COLLECTING AND MAPPING VEHICLE**



High precision in measurements and
georeferencing

SONOBOT

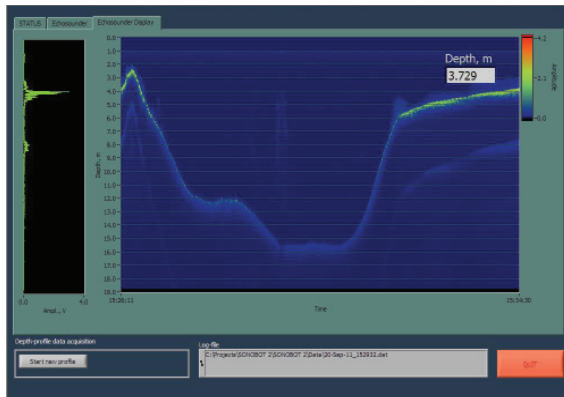
Status display

monitoring of the survey system: voltage of batteries, GPS, storage of data etc.



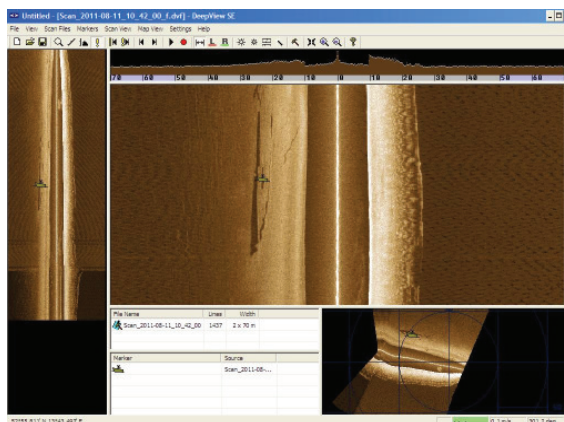
Echosounder display

depth measurement



Side-Scan-Sonar display

georeferenced search of objects



FEATURES

W-LAN

Data and command transmission

Differential GPS

High accuracy positioning, Real Time Kinematic

Radio Control

Manual operation

Autopilot

Autonomous operation

Camera

For georeferenced pictures or navigation in confined spaces

Jet thrusters

High maneuverability and speed

Easy no-tools assembly

Designed to be quickly assembled and deployed

Side-Scan-Sonar

DeepVision 670kHz version

S2C Wideband Echosounder

Depth measurements with 1.5cm accuracy (min. depth 0.5m up to 40m)

DIMENSIONS

HEIGHT	0.5	m
WIDTH	0.9	m
LENGTH	1.4	m
MAX TOTAL WEIGHT	<35	kg

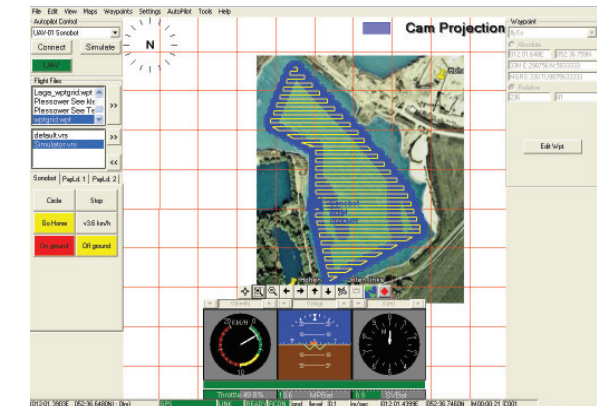
Radio Control

easy handling by operator



Autopilot

create a grid for autonomous survey



CONFIGURATION

Basic:

- 2 floaters with integrated propulsion system
- Main body hull
- 2 carrier elements (cross-beams)
- Power-supply units for payload and propulsion
- Basic payload (Board processor and Solid State Disk)
- Remote Control Unit
- Data Telemetry
- S2C Broadband- Echosounder for depth measurement + profiling
- Field-PC with software and Sonobot specific configuration
- Options: Front-View camera, GPS or DGPS, Autopilot, Spectral-Analysis, Side-Scan-Sonar

For pricing and configuration information contact us at sales@evolitics.de or call +49 (0) 30 4606 8226