Xanthos

Odyssey IIc, Video Survey
Autonomous Underwater Vehicle

With over 500 successful dives this AUV is a reliable and highly capable platform. Originally built as one of five Odyssey IIb class AUVs in 1995, Xanthos was heavily upgraded to the Odyssey IIc class during the summer of 2000. This included installation of brand new control electronics and software.

Xanthos has participated in nearly all of the AUV Lab’s missions including expeditions to New Zealand, The Haro Strait, The Labrador Sea, Elba, Italy, and Nisiros, Greece.

Specifications

Length: 2.2 m (87 inches)
Diameter: 0.58 m (23 inches)
Weight in air: ~200 kg (441 lbs)
Buoyancy: ~+0.5 kg (+1lbs.)
Depth Rating: 3000 m
Speed: 1-3 knots
Range/Endurance: 22 km / 4 hours
Batteries: AgZn, 1.2 kWh
LBL Navigation: accuracy < 1m
USBL Tracking: ~15 m accuracy
Camera Systems:
ROS Navigator, 3.8 or 12 mm fixed lens, 3.4 x 10^-4 lux, 570 lines resolution

MIT Sea Grant AUV Lab
292 Main St.
Room E38-300
Cambridge, MA 02142

Phone: (617) 253-3402
Fax: (617) 258-5730
Email: auvlab@mit.edu
http://auvlab.mit.edu