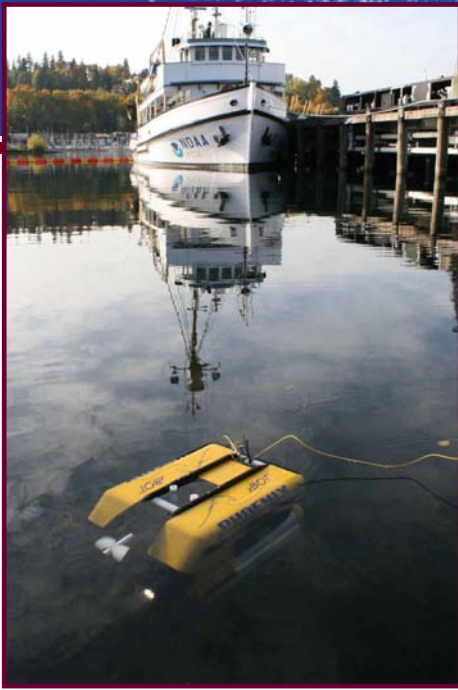


xBot® III Micro-ROV



xBot® III – When size and performance matter!

Phoenix's third generation xBot® vehicle redefines capability and performance in a small, high performance, extreme depth micro-ROV. Its small size and standard operating depth rating of 6,000 meters, enable xBot® III to explore highly constrained, extremely hazardous areas where other machines or humans cannot or dare not go!

xBot® III was specifically developed to provide high-resolution video inspection capabilities in high risk and confined environments. The vehicle is a stable, highly-maneuverable, battery powered, fiber optic cable controlled platform that can be operated standalone from a deployment cage or integrated on a host ROV or submersible to extend exploration "reach" or to gain added visual perspectives of the work site.

The xBot® III micro-ROV was designed for easy assembly/disassembly to provide unsurpassed fast operational turn-around time and battery exchange. Options allow for use of a disposable or reusable fiber optic tether. Systems hosting xBot® III need only provide a fiber optic connection.

Operationally proven on Discovery Channel/James Cameron's
The Last Mysteries of the Titanic!

Innovation in Action

- **6000m Depth**
- **Zero Drag Tether**
- **Fast Turn-around**

Specifications

Maximum Operating Depth	6000 m
Battery	Pressure tolerant sealed lead acid 1000 Wh
Mission Duration	Up to 3 hours – 12 with optional Lithium ion
Communication	Video and data multiplexer
Video	2 x color video cameras, 1 x fixed; 1 x rotating 570 lines of resolution, 0.3 Lux
Lighting	1 x 30W variable intensity LED fixed 1 x 30W variable intensity LED rotating
Tilt Mechanism (Camera, Lights)	Operator controllable ($\pm 90^\circ$)
Tether	Vehicle deployed: 500 m (1640 ft.) SMF
Thrusters	3 x 40 W each 2 x axial – 3 lbs. thrust 1 x vertical – 1.5 lbs. thrust
Weight in Air	39.5 kgs (87 lbs.)
Dimensions	Length: 56 cm (22 in.) Width: 33 cm (13 in.) Height: 35.5 cm (14 in.)

Options

Imaging sonar (limited to 750 m depth)
Deployment cage with or without tether recovery
Lithium ion rechargeable battery
Reduced depth rating foam



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