

BLUEROV2

MICRO ROV SYSTEM

OMS

Subsea Services

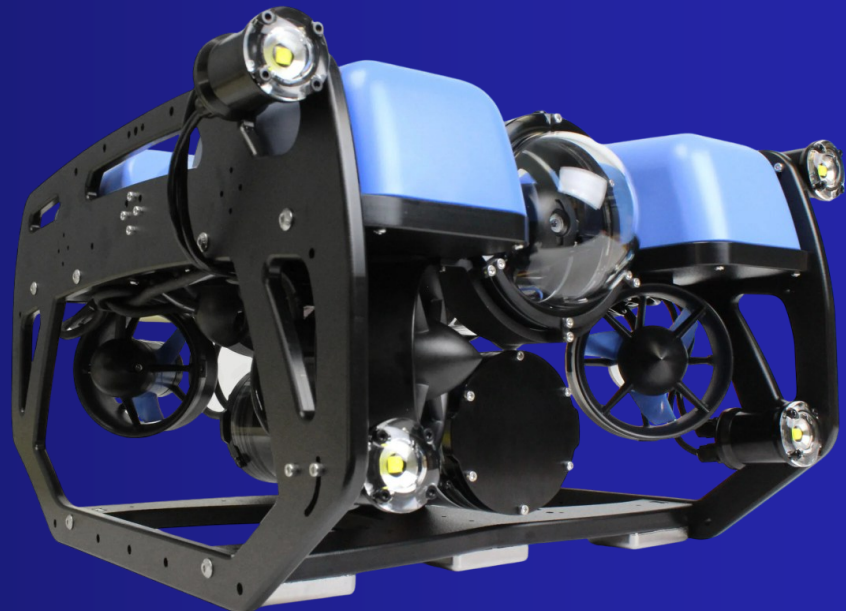
The OMS **BLUEROV2 MICRO ROV** system is a highly configurable underwater drone designed for research, inspection and exploration scopes of work. It's core philosophy is modular expandability and open-sourced flexibility.

Key Features

- ⇒ 100m Depth Rating
- ⇒ Cross-Platform User Interface
- ⇒ Highly Manoeuvrable due to Vector Thruster Configuration
- ⇒ Battery Powered
- ⇒ Up to 300m Tether availability
- ⇒ HD Cameras
- ⇒ Versatile Applications:
 - Tooling Packages
 - Survey Sensors
 - Inspection Tools

Core Equipment

- ⇒ Live Low-Latency 1080p HD Video
- ⇒ Highly Manoeuvrable Vectored Thruster Configuration
- ⇒ Highly Expandable with Three Free Cable Penetrators
- ⇒ T200 Thrusters
- ⇒ Quick-Swappable Batteries for Long Missions
- ⇒ Open-Source AduSub Control Software and Open-Source Hardware



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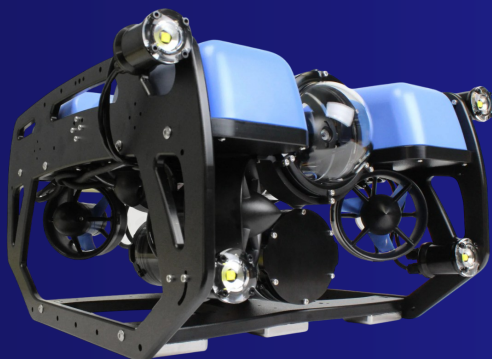
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TECHNICAL SPECIFICATION

BLUEROV 2 MICRO ROV SYSTEM

Item	Specification	Item	Specification
Length (mm)	457	Tether Diameter	7.6mm
Width (mm)	338	Tether Length	25-300m
Height (mm)	254	[Tether] Working Strength [Tether] Breaking Strength Strength Member	45kgf 160kgf Kevlar with water block
Depth Rating (m)	100m	Lights	2 or 4 x 1500 Lumens each with dimming control.
Weight in Air (kg)	10-11KG [with Ballast] 9-10KG [without Ballast]	Light Beam Angle	135° with adjustable tilt
Watertight Enclosure Inner Diameter	102mm	Camera	1080p Digital
Watertight Enclosure Inner Length	298mm	Camera Field of View	110° Horizontally
Cable Penetrator Holes	14 x 10 mm	Tilt Range	+/- 90° camera tilt [180 total range]
Maximum Rated Depth	100M	Tilt Servo	Hitec HS-5055MG
Maximum Tested Depth	130M	Battery Life [Normal Use]	2—3 Hours w/ 18Ah battery
Maximum Forward Speed	1m/s [2 knots]	Battery Life [Light Use]	4—6 Hours w/ 18Ah battery
Thrusters	Blue Robotics T200—6 Thrusters.		
ESC	Blue Robotics Basic 30A ESC		



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