

Outland 1000 ROV

Portable, robust 'flyable' ROV with high-powered LED lights

The OUTLAND 1000 ROV is a 1,000-ft-rated (304.8-m-rated) system with high-powered LED lights. This ROV uses brushless direct-current (DC) and high-tech, magnetically coupled thrusters, as well as a control system to maximize the power of its thrusters. Dual tilting cameras provide low-light, black-and-white (B&W) images and high-resolution color images within one system. The standard system comes with 500 ft (152.4 m) of cable, with up to 1,000 ft (304.8 m) of cable available.



FEATURES

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Portable and robust "flyable" system

Dual tilting cameras for high-quality B&W and color images

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Features

- » 4 ea. 1/3-hp thrusters (16.5 lb / 7.5 kg of thrust ea.)
- » UWC-360/d, tilting, fixed-focus color (550 line, .001 lux) and B&W (600 line, .0003 lux) camera
- » 2 ea. UWL-500, new high-powered LED lights
- » C-3405, 500 ft / 152.4 m of neutrally buoyant cable with all connectors
- » PS-1050, power supply, joystick, keyboard, transfective monitor
- » Depth and compass video overlay
- » Auto-hover/heading



Technical Data

Mechanical

Size (LxWxH) 25 in x 15 in x 11 in /
63.5 cm x 38.1 cm x 27.9 cm

Weight 39 lb / 17.7 kg

Thrust forward 33 lb / 17.7 kg

Extra payload Up to 4.5 lb / 2.04 kg (more with
extra flotation)

Electrical

115/230 VAC 50/60 Hz input 15/7.5 amps to power supply

165 VDC down to vehicle from power supply

Lights: 1,200 lux at 1 m, 100° wide by 220°
vertical lighting, intensity controlled

Three-axis control of vehicle

Digital compass

Rotational gyro

Depth transducer

Cable (standard)

C-3405, standard 500 ft / 152.4 m of C-3400 cable (neon green)

.55 in / 1.4 cm in diameter, 1,000 lb / 453.6 kg of breaking
strength

Neutral in seawater

10 lb / 4.5 kg dry per 100 ft / 30.5 m

Spare twisted pair included in ROV cable

This spare twisted pair can be used for many things, including:
CP probe, CTD probe, strobe trigger, second live video camera
(second monitor required), ultrasonic thickness gauge, or many
other applications