

Mini ROV – UD 6-100-II

A series of modern underwater mini ROV designed to quickly and perform a variety of basic underwater tasks: observation, inspection, exploration or search & rescue mission. The system is portable and cost-effective solutions that can be deployed in minutes. The standard system include a submersible system, the control box with a modem, notebook loaded with control software suite, hand controller and 100m tether cable on reel with sleep ring. The standard Base configuration can be upgraded to accept the following accessory: manipulator, sonar, extra light, up to 300m tether cable, Laser pointers, positioning system.



Standard Base System Components

- Mini ROV Submersible (standard finish)
- Surface laptop 15" display with complete suite of control software
- Remote hand controller
- 100m tether cable on reel with sleep-ring
- Basic Tool Kit

Options

- Manipulator
- Laser pointers
- Sonar
- Underwater positioning system
- Pelikan carry case
- Up to 300m tether
- HD camera

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Technical Specifications Mini ROV-UD6-II

General

Power requirements	Battery powered
	Battery type: 38 Ah Li-ion Battery
Endurance	6 h
System Tool Kit	Basic Tool kit
Water light enclosure inner diameter	102 mm
Water light enclosure inner length	298 mm
Cable penetrators holes	14x10 mm
Construction	HDPE frame, aluminium flanges/end caps

Submersible

Depth rating	100 m
Size (LxWxH)	507x379x280 cm
Weight	12-Kg

Propulsion

Thrusters configuration	6 thrusters
	-4 vectored
	-2 Vertical
Horizontal Thrusters	700 W each
Vertical Thrusters	700 W each

Camera

Camera	1080p digital
camera field of view	110 degrees horizontally
Tilt range	+/- 90 degree
Tilt servo	Hitec

Lights	2 x 1500 lumens with dimming control
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Integrated Sensors

- 3-DOF Gyroscope
- 3-DOF accelerometer
- 3-DOF magnetometer
- Internal barometer
- Pressure/depth & temperature sensor
- Current and voltage sensing
- Leak detection

Depth control	Auto/Manual
Heading control	Auto/Manual
Stabilize	Auto/Manual

Integrated accessories

Users can easily upgrade the standard Base system capabilities to include sonar, manipulator, positioning system , and much more

FOR MORE DETAILS PLEASE CONTACT US

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