



RB Mini 50

- Working depth till 50 meters;
- Cable length of 30 meters (optional 50 m);
- 3 thruster configuration.



RB Mini 150

- Working depth till 100 meters;
- Tether length till 150 meters;
- Colour camera 600 TVL;
- 4 thrusters: 2 horizontal, 1 vertical 1 lateral.



RB Mini 300

- Working depth till 200 meters;
- Tether length 220 meters (up to 600 m);
- Colour camera 600 TVL;
- 5 thrusters: 2 horizontal, 2 vertical 1 lateral.



RB Mini 600

- Working depth till 300 meters;
- Tether length 300 meters (up to 1200 m);
- Front: Color Full HD and B/W cameras. Rear: additional color/BW camera 600 TVL;
- 7 Thrusters: 4 Horizontal; 2 Vertical; 1 Lateral



RB Mini Mirage

- Working depth till 400 meters;
- Tether length 300 meters (up to 1200 m);
- Front: Color Full HD and B/W cameras. Rear: additional color/BW camera 600 TVL;
- 10 Thrusters: 4 Horizontal; 4 Vertical; 2 Lateral.

ROVBUILDER is designed for observation, inspection, exploration or search & rescue missions.

There is a whole range of different configurations available with cable (tether) ranging from 120 up to 1200 meters. The main differences between the different models are the configuration of the thruster power, cable length, camera and depth rating.

There are 5 standard models, the RB50 for depth up to 50 m ,the RB150 for depth up to 70 m, the RB300 for depth up to 120 m, the RB300 for depth up to 200 m and the Mirage for depth up to 300 m. The RB50,150,300, 600 and Mirage are low cost full equipped inspection ROV's. They are easily controlled by a standard Sony joystick. The color camera can tilt 180 deg. The ROV's are lightweight which makes deployment very easy. The Mirage can be fitted with max. 1200 m of umbilical, which makes the ROV very suitable for pipeline and tunnel inspections. All models are operated with an easy to use digital joystick from the console box. The console is built in a professional Pelican case and contains all electronics for the remote control, power supply and video processing including video text overlay.

Additionally on ROV can be installed 2 functions (Open/Close and rotation) manipulator; CP Probe equipment; Thickness measurements equipment; Navigation sonar, USBL position system or other equipment.

Options

- 2 function grabber
- Laser pointer
- Rear camera
- Sonar
- Extra thrusters
- Up to 1200m cable
- DVR Hardisk recorder

Specifications

Category	Parameter	RB 50	RB 150	RB3 00	RB 600	RB Mirage	
Depth Rating	<i>Maximum Depth</i>	50 m	70 m	120 m	200 m	300 m	
Propulsion	<i>Vertical Thruster</i>	One (600g)	One (900g)	Two (1.3 kg each)	Two (1.5 kg each)	Two (2 kg each)	
	<i>Horizontal Thrusters</i>	Two (600g each)	Two (900g each)	Two (1.3 kg each)	Four (1.5 kg each)	Six (2 kg each)	
	<i>Lateral Thruster</i>	-	One (900g)	One (1.3 kg)	One (1.5 kg)	Three (2 kg each)	
	<i>Speed</i>	0-0,7m/sec	0-1m/sec	0-1.25m/sec	0-2m/sec	0-2m/sec	
Cable on reel with sliprings (RB50 cable not on a reel)	<i>Length standard</i>	30 m (optional 50 m)	120m (optional 300m)	220m (optional 600m)	300m (optional 1200m)	600 m(optional 1200 m)	
	<i>Diameter</i>	8,5 mm					
	<i>Type</i>	Positive buoyant					
	<i>Operating range</i>	0°- 30° C					
Depth	<i>Pressure Sensor</i>	Included					
	<i>Depth control</i>	Not included	Manual/Auto				
Heading	<i>Compass</i>	Not included	Included				
Controller	<i>Controller functions</i>	Main Power, Depth, Lights, Camera Tilt, Speed, Menu					
	<i>Controller I/O</i>	Power, Tether, Video Out, Sony Joystick, RS232					
	<i>Additional Controller Features</i>	Menu control and settings Video Overlay adjustments					
Monitor	<i>Monitor built in case</i>	7" LED	15" LED				
Sonar	<i>Imaging sonar</i>	Optional					
Lighting	<i>Front Lights</i>	3x 5 watt LED	4x 10 Watt LED				
Grabber	<i>2 function grabber</i>	Optional				30 kg force	
	<i>Colour</i>	Colour				Colour HD	
	<i>Resolution</i>	600 line					
	<i>Sensitivity</i>	0.3 lux				2 lux	
	<i>Lens</i>	Wide angle				10x Zoom	
	<i>Focus</i>	Fixed				Focus control	
	<i>Tilt</i>	170°	270°				
	<i>Rear/Side Camera</i>	not possible	Optional				Colour camera
	<i>Video Standard</i>	PAL Composite					
ROV Dimensions	<i>Length</i>	340 mm	380 mm	430 mm	430 mm	550 mm	
	<i>Width</i>	290 mm	320 mm	350 mm	350 mm	477 mm	
	<i>Height</i>	280 mm	280 mm	300 mm	300 mm	413 mm	
ROV Weight	<i>Weight</i>	5.8 kg in air, neutral in water	6,5 kg in air, neutral in water	8 kg in air, neutral in water	12 kg in air, neutral in water	25 kg in air, neutral in water	
Electrical	<i>Cable connector</i>	4 pin multi-connector					
	<i>Line Voltage</i>	220-240VAC 50Hz					
	<i>Tether Voltage</i>	48 VDC	Up to 450VDC				
	<i>Power Consumption</i>	200 Watts	300 Watts	400 Watts	500 watts	1500 watts	
Construction	<i>Hull Construction</i>	Plastic & Anodized Aluminium					
Packaging	<i>Shipping Container(s)</i>	Controller case ROV, cable without case	Controller-case , ROV and tether on a reel – without case				
	<i>Shipping Weight</i>	25 kg	47 kg	65 kg	85 kg	130 kg	
Warranty	<i>Limited warranty</i>	2 years					