

## LBV600<sup>6</sup> MiniROV Systems

The SeaBotix LBV600<sup>6</sup> system takes our powerful 6-thruster layout to impressive depths.



- 600 meter (2,000ft) depth rating and tether length of 750 meters (2,420ft)
- 6 Powerful Brushless DC thrusters with individual oil-compensators
- 4-axis maneuverability including 4 forward thrusters
- Ultra small diameter high strength, durable, low drag tether
- Crystal clear fiber optic video/data transmission and high resolution color camera
- 270° range of view with high intensity LED array tracking camera
- Optional IwLARS launch and recovery system for simplistic tether/vehicle management

The compact size and increased depth capability of the LBV600<sup>6</sup> make it an ideal rapid-response, deepwater system. Four powerful forward thrusters and our industry-leading small diameter tether ensure true deepwater capability. The highly-portable LBV600<sup>6</sup> is available with our optional lightweight Launch and Recovery System (IwLARS) for intuitive vehicle and tether management.

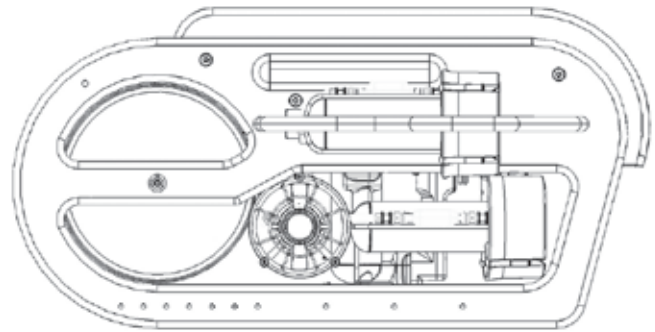


## General

Depth Rating:	600m (2,000ft)
Length:	540mm (21.3in)
Width:	484mm (19.1in)
Height:	270mm (10.6in)
Diagonal:	554mm (21.8in)
Weight in air:	15.3kg (33.8lbs)

## Thrusters/Performance

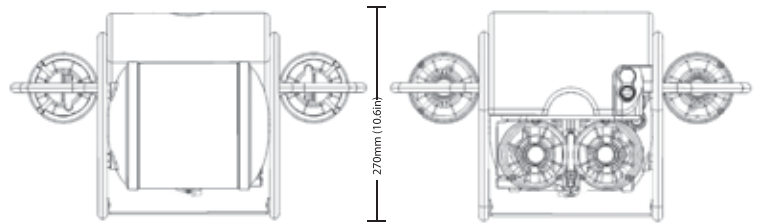
Configuration:	4 forward, 1 vertical, 1 lateral
Motor Type:	Brushless DC direct drive
Bollard Thrust:	4.9kgf (10ft/lbs) each
Speed at Surface:	3.5 knots (1.54m/sec)
Max Operating Current:	2.5 knots (1.03m/sec)



540mm (21.3in)

## Cameras/Lighting

Camera:	520 line High resolution color
Range of View:	270 Degrees
Focus:	Manual (90mm to infinity)
Format:	NTSC or PAL
Transmission Type:	Fiber optic
Lighting:	Internal 700 Lumen LED Tracks color camera



270mm (10.6in)

484mm (19.1in)

## Control System

Configuration:	Rugged case with weatherproof monitor and removable operator control unit
Monitor:	38cm (15") LCD
Power Requirement:	3,000 watts, 100-240 VAC
Safety:	Isolated input, circuit breaker, LIM, leak monitor Meets & exceeds "Code of Practice for the Safe use of Electricity in Water"
Auto Functions:	Depth, heading, trim
Video Overlay:	Depth, heading, lights, thruster gain, turns counter, camera angle, time, date and user programmable characters

## Tether/Reel

Diameter:	8mm (0.3in) nominal
Length:	750m (2,420ft) standard
Working Load:	100kgf (220ft/lbs)
Breaking Strain:	700kgf (1,543ft/lbs)
Buoyancy:	Neutral in seawater
Reel:	Heavy duty with slip ring



## Options

Launch & Revoery:	lwLARS with level wind, line counter and powered sheave
Grabber:	Three jaw, interlocking small, interlocking large, parallel, cutter
Sonar:	Scanning, profiler
Tracking:	USBL positioning system
Console:	Integrated Navigation and Control Console
Lights:	Multiple head ultra bright LED
Other:	Laser scaling, CP and more