

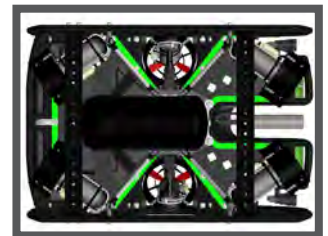
vLBV950 MiniROV Systems

The SeaBotix vLBV950 adds impressive depth capability to our new vLBV series of MiniROVs.

- 950 meter (3,117ft) depth rating and tether lengths to 2,000 meters (6,562 ft)
- 6 Powerful Brushless DC thrusters with oil compensation system
- Variable vector horizontal thruster configuration and dual vertical thrusters
- 100mm propeller for increased power and flexibility
- High resolution sensors and active roll compensation for increased stability
- Multiple camera options including rear and side cameras
- Ultra small diameter high strength, durable, low drag tether
- Wide range of sensors and available options including sonar, tracking, cameras and more



The vLBV950 operates at depths to 950 meters (over 3,000 ft), using our advanced 100mm propellers for leading edge performance in its class. Various deployment configurations are available from free-swimming, to TMS (tether management systems), to LARS (launch and recovery systems).

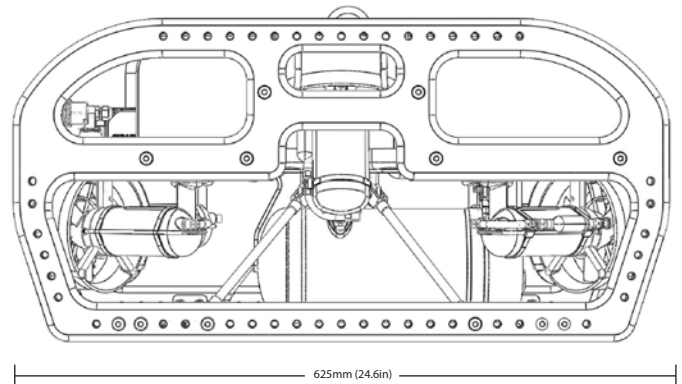


General

| | |
|----------------|----------------|
| Depth Rating: | 950m (3,117ft) |
| Length: | 625mm (24.6in) |
| Width: | 390mm (15.4in) |
| Height: | 390mm (15.4in) |
| Diagonal: | 551mm (21.7in) |
| Weight in air: | 19kg (41.9lbs) |

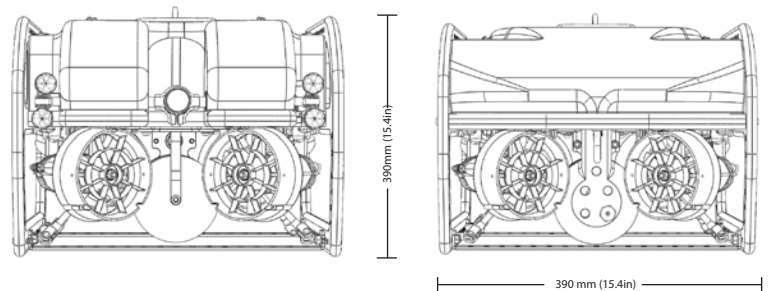
Thrusters/Performance

| | |
|-----------------|---|
| Configuration: | 4 vectored, 2 vertical vertran |
| Vector Angle: | Manually variable 45°/35°, 35°, 18° or combination |
| Motor Type: | Brushless DC direct drive |
| Prop Diameter: | 100mm standard |
| Bollard Thrust: | See chart below right |
| Speed: | 3+ knots (nominal) |



Cameras/Lighting

| | |
|-------------------------|---------------------------------|
| Camera: | 650 line high resolution color |
| Camera Tilt: | 180 degrees |
| Diagonal Angle of View: | 65 degrees in water |
| Sensitivity: | 0.1 lux @ f2.0 |
| Format: | NTSC or PAL |
| Lighting: | 2,160 Lumen LED tracking camera |



Control System

| | |
|--------------------|---|
| Configuration: | Rugged case with weatherproof monitor and removable operator control unit |
| Monitor: | Color LCD |
| Power Requirement: | 5700 watts, 187-229VAC or 216-264VAC, 50Hz – 400Hz |
| 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 |

| vLVB950 Bollard Thrust | |
|------------------------|-------------|
| | 100mm Props |
| 45°/35° Vector | |
| Forward | 18.1kgf |
| Lateral | 15.2kgf |
| 35° Vector | |
| Forward | 19.4kgf |
| Lateral | 13.6kgf |
| 18° Vector | |
| Forward | 22.5kgf |
| Lateral | 7.3kgf |

Tether/Reel

| | |
|--------------------|---------------------------|
| Diameter: | 9.05mm (0.35in) nominal |
| Length: | 500m (1,640ft) standard |
| Working Load: | 100kgf (220lbf) |
| Breaking Strength: | 700kgf (1,543lbf) |
| Buoyancy: | Neutral in seawater |
| Reel: | Heavy duty with slip ring |

Options

| | |
|-----------------|--|
| Tether Lengths: | 750, 1,000, 1,250, 2,000m (2,460, 3,280, 4,101, 6,562ft) |
| Cameras: | Low light B/W, zoom, rear facing, side facing |
| Grabber: | Three jaw, interlocking small, interlocking large, parallel and cutter |
| Sonar: | Scanning sonar, multi-beam sonar, profiling sonar |
| Tracking: | USBL positioning system |
| Console: | Integrated Navigation and Control Console |
| Other: | Additional lighting, thickness gauge, CP and more |

