

# vLBV300

## MINI ROVs



The vLBV<sup>®</sup> represents an evolution in small, capable, vectored MiniROV systems. Four powerful 100 mm (4") horizontal thrusters, arranged in a vectored format, offer nearly equal horizontal thrust in all 360-degrees of flight. The horizontal thrusters can be manually adjusted to bias thrust in the forward direction for extreme pulling power. This works well in applications such as long internal pipe penetrations and high forward currents.

High resolution cameras and sensors combined with SeaBotix' industry-leading low drag tether make the vLBV the standard in offshore capability and portability. Also available with SmartFlight<sup>™</sup> automated navigation.

Standard features include a high resolution colour camera, powerful LED lighting, depth, heading and temperature sensors, auto-depth, auto-heading and thruster trim, low-drag neutrally buoyant tether, and fully Integrated Control Console (ICC) with daylight-readable monitor. For operations using multiple sensors, upgrading the ICC to an Integrated Navigation/Control Console (INC) is recommended.

- 300m depth rating
- 32kg payload capability
- Weight in air 18kg
- 6 x Vectored Brushless DC Thrusters (100mm props)
- Versatile sensor platform
- Low drag tether - 8.9mm diameter (0.35")
- High resolution sensors
- High intensity LED light that track with camera
- Optional hull and infrastructure crawler.



**DIMENSIONS & WEIGHTS**

Length:	625mm
Width:	390mm
Height:	390mm
Weight in Air:	18kg
Depth Rating:	300m

**THRUSTERS/PERFORMANCE**

Configuration:	Four horizontal vectored, two vertical
Vector Angle:	Adjustable 45°/35°, 35°, 18° or combination
Motor type:	Brushless DC direct drive
Prop Diameter	100mm
Speed at Surface:	3 knots (1.54 m/sec)

**CAMERA/LIGHTING**

Camera:	650 TVL high resolution color, 180 degree tilt, NTSC or PAL
Lighting:	2,160 lumen LED tracking camera, 1080 per head

**CONTROL SYSTEM**

Configuration:	Dual rugged cases, with monitor, OCU and SPS
Monitor:	Colour LCD, daylight readable
Power requirements:	3,300W, 85-265 VAC (VBV300) - typical 4,500W, 85-265 VAC (VBV950) - typical
Safety:	Isolated power, circuit breaker, LIM, leak monitor
Auto functions:	Depth, heading, trim (speed)
Video overlay:	Depth, heading, lights, thruster gain, turns counter camera angle, time, date and user programmable characteristics, options status.

**OPTIONS**

Tether lengths:	250 - 2,000m
Cameras:	Low light b/w, zoom, rear facing, HD
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 (INC)
Other:	Additional lighting, thickness gauge, CP and more

**ADDITIONAL vLBC CRAWLER SYSTEM**

Unmatched in for ship hull and infrastructure inspections.

Vortex Generator enables attachment to any relatively flat, hard surface. With no relative motion between the inspection surface and the sensors, output data is the highest quality possible.

The Crawler Skid is attached to a standard vLBV300 MiniROV in minutes, converting it from a 4-axis ROV to a 5-axis hull and infrastructure crawler.

Want to find out more?

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