

Teledyne SeaBotix

LBV150-4

Little Benthic Vehicle

Highly Portable MiniROV Systems

The SeaBotix LBV150-4 MiniROV System is a highly portable inshore inspection solution with professional capabilities and affordable price.

Our most streamlined MiniROV, this economical system features a high resolution color camera that is simple to setup and operate.

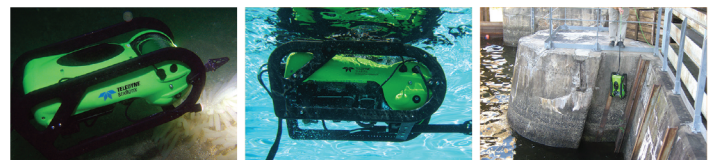
Like all SeaBotix LBV Series MiniROVs, the LBV150-4 is capable of true 4-axis maneuverability including lateral (sideways) flight, allowing the operator to keep the object of interest in view while continuing to maneuver around it.



Ideal for operations in shallow waters, the LBV150-4 offers a depth rating to 150 m (500 ft) and is equipped to perform demanding tasks with powerful brushless DC thrusters and our industry-leading low drag tether.

Other standard features include LED lighting that tracks the camera, depth, temperature and heading sensors, auto-depth, auto-heading, and intuitive controls within an Integrated Control Console (ICC) that includes a 38 cm (15 in) daylight-readable LCD monitor.

Products are offered with a 2-year limited manufacturer's warranty and 24-hour technical support and service by factory staff and authorized service centers across the globe.



PRODUCT FEATURES

LBV150-4 MiniROV

- 4-Axis Maneuverability
- 150 Meter (500 ft) Depth Rating
- Powerful Brushless DC Thrusters
- High Resolution Color Video
- High Intensity LED Tracking Camera
- Integrated Control Console (ICC)
- Small Diameter Low Drag Tether 8.9 mm (0.35 in) Nominal

LBV150-4 System Components

- LBV150-4 MiniROV
- Integrated Control Console
- Tether (Reel is an option)
- Spares/Tools/Manuals
- Transit Cases



TELEDYNE SEABOTIX
Everywhere you look™

TECHNICAL SPECIFICATIONS

LBV150-4 MINIROV SYSTEMS

GENERAL

Depth Rating	150 m (500 ft)
Length	530 mm (21 in)
Width	245 mm (9.65 in)
Height	254 mm (10 in)
Weight in Air	11 kg (24.3 lbs)

THRUSTERS | PERFORMANCE

Configuration	2 forward, 1 vertical, 1 lateral
Motor Type	Brushless DC direct drive
Bollard Thrust	Forward - 7 kgf (15.4 lbf) Lateral - 3 kgf (6.6 lbf) Vertical - 3 kgf (6.6 lbf)
Speed at Surface	3 knots (1.54 m/sec)

CAMERAS | LIGHTING

Camera	680 line high resolution color
Camera Tilt	180 degrees
Focus	Manual (90 mm to infinity)
Format	NTSC or PAL
Lighting	Internal 700 Lumen LED array, tracks color camera

Control System

Configuration	Single rugged case with monitor, OCU & power supply
Monitor	38 cm (15 in) LCD
Power Requirement	1,200 Watts, 100-130/200-260 VAC
Safety	Isolated input, circuit breaker, LIM, leak monitor
Auto Functions	Depth, heading, trim
Video Overlay	Depth, heading, lights, thruster gain, turns counter, camera angle, time, date & user programmable characters

Tether

Diameter	8.9 mm (0.35 in) nominal
Length	150 m (492 ft) standard
Working Load	100 kgf (220 lbf)
Breaking Strength	700 kgf (1,543 lbf)
Buoyancy	Neutral in fresh water, slightly positive in seawater
Reel	Heavy duty w/slip ring

Options

Grabber	Three jaw, interlocking small, interlocking large, parallel and cutter
Lights	2 HD LED (1080 lumen per head)
Reel	Tether reel (heavy duty with slip ring)
Other	HD zoom camera and laser scaling



LBV150-4 MiniROV



Setting the Standard for MiniROV Capability

- Powerful brushless DC direct drive thrusters
- High resolution color, monochrome & HD video options
- Industry leading low drag tether
- 4-axis maneuverability



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