

JW Fishers Mfg., Inc.

1953 County Street

East Taunton MA 02718

PH: (800)822-4744; (508)822-7330

Email: info@jwfishers.com

Website: jwfishers.com



Data Sheet

SeaLion-3

Remote Operated Vehicle



- Front and Rear HD cameras
- 1,000 feet (~300m) Depth Rated Housing
- Spare wires in umbilical
- 15.6" LCD panel
- 12.1" LCD touchscreen LCD
- 7 thruster, vectored system
- Two 2200 Lumen LED Lights
- Leak Detection Circuitry

Performance/Descriptions

- **Cameras** - 2MP IP Board Camera with DOL WDR
- **Main Monitor** - 15.6" TFT Active Matrix LCD Panel, 1920 x 1080 Full HD
- **Secondary Monitor** - 12.1" TFT Active Matrix LCD touchscreen
- **Lighting** - 2 dimmable, high intensity LEDS (2200 lumens each) on front
- **Operating Depth** - 1,000 feet (~300m)
- **Power requirements** - 120vc 15amp in USA; 220vc 8amp in Europe, max w1500 watts
- **Included on screen display** - basic display for time, date and GPS
- **Included compass, depth and temperature sensors**
- **Included auto depth control sensors**

Dimensions / Weights

- SeaLion - 29"L x 20"W x 13"H - 45 lbs.
- Control Box - 17"L x 12"W x 8.5"H - 23 lbs.
- Cable - 0.6"D x 250' to 1500' - 30/180 lbs., neutrally buoyant



Options

- Up to 1,500 feet (~450m) of cable
- Cable reel with slip ring (CMS1/2)
- Spare parts kit
- Manipulator arm
- SCAN-650 scanning sonar

The SeaLion-3 is the **3rd generation** of the popular SeaLion ROV. The SeaLion-3 still maintains a 1,000 foot depth capability and operates with up to 1,500 feet of cable. The full HD pan and tilt front, color camera provides the end user a clear, crisp video for performing underwater searches. This ROV can dramatically reduce search time and the high costs associated with diver-based inspections. With the SeaLion-3 your team can locate, inspect, and video tape a target without entering the water. The SeaLion-3 can also narrow the search area so when divers are required, their time is spent on the target, instead of swimming grid patterns. When outfitted with a metal detector (JW Fishers RMD-1), the ROV can search for weapons, unexploded ordnance, pipelines, anchors, buried treasure, or other metallic objects. When an optional sector scanning sonar is added the searching capabilities become endless and allow for searching in "zero viability" conditions.

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Main features for the video monitor display are:

- When using the control monitor the end user has:

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Fishers ROVs are in use around the world by US and foreign military, state and federal agencies, universities, search and rescue groups, and many commercial diving companies. These high-performance underwater camera systems can make public safety search operations less dangerous by assisting in the location of drowning victims and recovery of evidence. They help eliminate the need to dive in difficult or dangerous conditions, whether it be a low visibility environment or a dive beyond no-decompression limits.

At 45 pounds the ROV is highly portable and very "user friendly". With the optional spare parts kit, the ROV is completely field maintainable. JW Fishers SeaLion-3 ROV system represents a major breakthrough in cost/performance for a commercial grade ROV. This high-performance system competes with ROVs more than twice the price.