



OCEANBOTICS™ SRV-8

Specifications



SRV-8 ROV

Dimensions:	L-50cm (19.5") W-43cm (17") H-33cm (13")
Weight:	18.6kg (41lbs)
Maneuverability:	Ultimate maneuverability with Dynamic Vector Control (DVC) 6 Degrees of Freedom - Full movement in any direction
Thrusters:	8 Brushless DC Thrusters
Batteries:	Up to 8 hours
Depth Rating:	305M (1000FT)
Camera:	Analog-Low Light/HD Camera Camera Tilt Range 140 degrees
Lights:	2 Standard, 135 degree beam angle 1500 Lumens (ea)
Navigation:	Commercial Grade AHRS/IMU, Precise Heading, Altitude, Pitch & Yaw
Sensors:	Depth Sensor (M or Ft), Temperature (C or F), Turns Counter, Sensors for Heading and Depth
External Inputs:	2EA External Devices via RS232 or RS485
Grabber:	3-Jaw Grabber, 2-Jaw Grabber, Cutter, Sediment Sampler
Tether:	100M(328Ft), 4.5mm Diameter Tether Provided (Up to 400M Tether Option)
Reel:	400M (1,312Ft) Capacity with Slip Ring
Controller:	Xbox Controller or Alpha Flight Stick
Software:	Best in Class SubNav Software seamlessly integrates accessories for an easy-to-use/all-in-one experience
Cases Included:	2 transport cases with wheels

- ◆ **Easy to Use**
- ◆ **1 Person Portable**
- ◆ **8 Thrusters**
- ◆ **Most Maneuverable**
- ◆ **Battery Powered**
- ◆ **8 Hour Use**
- ◆ **3 Minute Setup**
- ◆ **Field Upgradeable**

Topside Options

Base ROV:

SRV-8 System with Topside Control Console (daylight readable screen). Includes vehicle with two Lithium batteries, analog/digital camera, two lights, Xbox controller, reel with 100m tether, two auxiliary connectors for external ethernet and serial devices, shipping/carrying cases, and battery chargers. Also includes basic spares kit, trim weights, and (optional) DVR for analog recording.

Digital ROV Station:

SRV-8 System with Digital Surface Station (Rugged Laptop and SubNav), vehicle with two Lithium batteries, analog/digital camera, two lights, Xbox controller, reel with 100m tether, two auxiliary connectors for external ethernet and serial devices, shipping/carrying cases with wheels and battery chargers. Also includes basic spares kit and trim weights.

Mobile ROV Station:

SRV-8 System with Mobile Pilot Station (Rugged Tablet with Harness and SubNav), vehicle with two Lithium batteries, analog/digital camera, two lights, Xbox controller, reel with 100m tether, two auxiliary connectors for external ethernet and serial devices, shipping/carrying cases with wheels and battery chargers. Also includes basic spares kit and trim weights.

Sonar Options

Imaging Sonar:

BluePrint Subsea Oculus 3D Imaging Sonar (M750d, M1200d, M3000d)
Fully integrated with SubNav Software

Navigation Options

USBL:

BluePrint Subsea Seatrac USBL
Fully integrated with SubNav Software

DVL:

Waterlink DVL
Fully integrated with SubNav Software

Ordering Part Numbers

SRV-8 BP: Base Package Kit

SRV-8 DSS: Digital Surface Station Kit

SRV-8 MPS: Mobile Pilot Station Kit

SEE FULL ORDERING PART NUMBER LIST ON BACK

SRV-8 BP Base SRV-8 System with Topside Control Console, Vehicle with two Lithium batteries, analog/digital camera, two lights, topside controller with daylight readable screen and Xbox controller, reel with 100m tether, two auxiliary connectors for external ethernet and serial devices, shipping/carrying cases with wheels and battery chargers. Also includes basic spares kit, trim weights, and DVR for analog recording.

SRV-8 DSS Digital Surface Station SRV-8 System with Digital Surface Station (Rugged Laptop), Vehicle with two Lithium batteries, analog/digital camera, two lights, topside controller with daylight readable screen and Xbox controller, reel with 100m tether, two auxiliary connectors for external ethernet and serial devices, shipping/carrying cases with wheels and battery charger. Also includes basic spares kit and trim weights.

SRV-8 MPS Mobile Pilot Station SRV-8 System with Mobile Pilot Station (Rugged Tablet with Harness), Vehicle with two Lithium batteries, analog/digital camera, two lights, topside controller with daylight readable screen and Xbox controller, reel with 100m tether, two auxiliary connectors for external ethernet and serial devices, shipping/carrying cases with wheels and battery chargers. Also includes basic spares kit and trim weights.

Topside Options

S8-CC Control Console for SRV-8. Includes Daylight Readable Screen, Xbox Controller, and Battery Pack

S8-MPS-01 SRV-8 Mobile Pilot Station - Includes Harness, Digital Interface Module, Rugged Tablet with Sunlight Readable Screen, Xbox Controller and Subnav Software.

S8-DSS-01 SRV-8 Digital Surface Station - Includes Digital Interface Module, Digital Surface Control Station with Sunlight Readable Screen, Xbox Controller, and Subnav Software.

S8-PC Notebook computer with certified Subnav Software

S8-Subnav The SubNav™ software enables logging of all available data for post mission analysis and playback, vehicle dynamics, and position information for improved situational awareness both during and after the mission with logged data synchronized to the HD video timeline.

S8-MDVR Mini DVR to record Video from Control Console (Analog Output)

S8-FS Flight Stick Assembly for One handed Control of the SRV-8 Includes the Flight Stick with Base and Software to Integrate with the ROV

Tether

S8-XX Additional meters of tether (by meter)

S8-50 (Additional 50m (164ft) tether, total of 150m (492ft))

S8-75 (Additional 75m (246ft) tether, total of 175m (574ft))

S8-100 (Additional 100m (328ft) tether, total of 200m (656ft))

S8-RCC12 12m (39ft) Reel to Control Console Cable

S8-RCC15 15m (49ft) Reel to Control Console Cable

S8-RCC25 25m (82ft) Reel to Control Console Cable

S8-RCC50 50m (164ft) Reel to Control Console Cable

Manipulator Arms

S8-RG-2J Robotic Grabber with 2 Jaw Head

S8-RG-3J Robotic Grabber with 3 Jaw Head

S8-RG-CH Robotic Grabber with Cutter Head

S8-RG-SS Robotic Grabber with Sediment Sampler Head

S8-RG-2Jaw-H 2-Jaw Head Only

S8-RG-3Jaw-H 3-Jaw Head Only

S8-RCH Cutter Head Only

S8-RSS Sediment Sampler Head Only

Sonars

S8-Oculus-IK Oculus Integration Kit w/mounting bracket

S8-Oculus M750d Oculus M750d Multibeam Sonar System (Integration Kit Included w/SRV-8 Purchase)

S8-Oculus M1200d Oculus M1200d Multibeam Sonar System (Integration Kit Included w/SRV-8 Purchase)

S8-Oculus M3000d Oculus M3000d Multibeam Sonar System (Integration Kit Included w/SRV-8 Purchase)

S8-Micron Tritech Micron Sonar with Connector (includes installation)

Navigation

S8-BP USBL SeaTrac Lightweight USBL System (X150/X010) multipurpose acoustic transponder beacons are capable of simultaneously tracking asset positions and undertaking bidirectional data exchange.

Camera/Laser

S8-C3C HD Color Camera - Optional side or rear mount, includes mount for SRV-8

S8-C4K Auxiliary 4K Color Camera - can be side or rear mounted, includes mount for SRV-8

S8-GLXB20 Green Sea Beam System w/2 -60 degree parallel lines (7mm space) with Internal Battery Power. Uses DL123A 3V Lithium Photo Battery.

S8-SB20 Red Sea Beam System w/2 -60 degree parallel lines (7mm space) with Internal Battery Power. Uses DL123A 3V Lithium Photo Battery.

Measurement Tools

S8-CP MS-300m Cathodic Potential (CP) Measurement System Manufactured by OT

S8-Cygnus ROV Ultrasonic Thickness Gauge System Includes system, probe holder and probe.

Maintenance and Spares

S8-BM SRV-8 Spare Battery Modules, Including the aluminum housing, battery assembly, and battery management electronics.

S8-2L, Rev B Two Lights with Underwater Mateable Connector

S8-TH2, Rev B 2 Thruster Spare Kit. Includes 2ea Thruster Assemblies (1 for each direction) with bracket, connector and screws

S8-TH4, Rev B 4 Thruster Spare Kit. Includes 4ea thruster assemblies (2 for each direction) with bracket, connector and screws

S8-SP-E, Rev B SRV-8 Extended Spares Kit. Includes 1ea S8-TH2 2 Thruster Spares Kit, 1ea S8-2L Light Assembly with connector.

S8-FF Flotation Foam Spares Kit Includes: Large Flotation Foam Pieces (2ea) and Small Flotation Foam Pieces (2ea).

