

SRV-8

UNDERWATER ROV



Vehicle Specifications

Length:	50 cm (19.5 in)
Width:	43 cm (17 in)
Height:	33 cm (13 in)
Weight:	18.6 kg (41 lb)
Depth Rating:	305 m (1,000 ft)
Thrusters:	8 Large Brushless DC Thrusters
Lights:	2ea lights at 1500 lumens with dimming control

Camera

Resolution:	1080p (4k optional)
Camera Tilt Range:	140°

Sensors

Navigation:	Commercial Grade AHRS/IMU, Precise Heading, Altitude, Pitch & Yaw
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Sensors:	Depth/Temperature/Turns Counter/Heading/Humidity/Pressure
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External Sensor Inputs:	- (2) Devices via RS232 or RS485 - (2) Devices via Ethernet
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Battery

Battery Source:	Dual Hot-Swappable Battery Modules
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Battery Life:	6-8 hours (dependent on usage)
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Environmental:	Operational between -10oC and +60oC (in air), -2oC and 35oC (in water)
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Manipulator Arms: (Interchangeable)	- 2-Jaw Grabber - 3-Jaw Grabber - Cutter - Sediment Sampler
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Software

SubNav OS	Best in class intuitive software that seamlessly integrates accessories for an easy to use, all-in-one experience. <i>Includes free periodic updates.</i>
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Standard Topside System: Digital Surface Station (DSS)

- Xbox Controller
- Rugged PC Notebook with sunlight readable display
- Digital Intergration Module

Alternative Options:

- Alpha Flight-Stick
- Mobile Pilot Station with Rugged Tablet

Cases Included:

(2) Transport cases with wheels

Tether (Copper)
Diameter:
Length:

4.5 mm (<1 in)
100 m Included (up to 300 m available)

Tether (Fiberoptic)
Diameter:
Length:

4.3 mm (<1 in)
up to 3km

Navigation

Doppler Velocity Log (DVL)

DVL-50 (50m depth)
DVL-125 (125m depth)

USBL

Seatrac USBL Navigation

Sonar

Imaging Sonar

Oculus 3D Imaging Sonar