



# SRV-8X OPTIMUS

## UNDERWATER ROV

### Vehicle Specifications

Length:	64 cm (25 in)
Width:	51 cm (20 in)
Height:	43 cm (17 in)
Weight:	25 kg (55 lb)
Depth Rating:	500 m (1,640 ft)
Thrusters:	8 Large Brushless DC Thrusters
Lights:	4ea 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 - (4) Devices via Ethernet
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### Battery

Battery Source:	Dual Hot-Swappable Battery Modules
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Battery Life:	4-6 hours (depending upon usage)
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Manipulator Arms: (Interchangable)	- 2-Jaw Grabber - 3-Jaw Grabber - Cutter - Sediment Sampler (Articulating arms available)
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### Software

SubNav-X 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:	4.5 mm (<1 in)
Length:	250 m (328 ft)

### Tether (Fiberoptic)

Diameter:	4.3 mm (<1 in)
Length:	up to 3km

### Navigation

Doppler Velocity Log (DVL)	DVL-50 (50m depth) DVL-125 (125m depth)
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### USBL

Seatrak USBL Navigation

### Sonar

Imaging Sonar	Oculus 3D Imaging Sonar
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