ROVITEC

ROVITEC PRODUCT DOCUMENT

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SRV-8X

Oceanbotics

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The original producer pages follow unchanged.

ROVITEC distributes this document for product information. Technical specifications remain the producer's.

Original source reference:

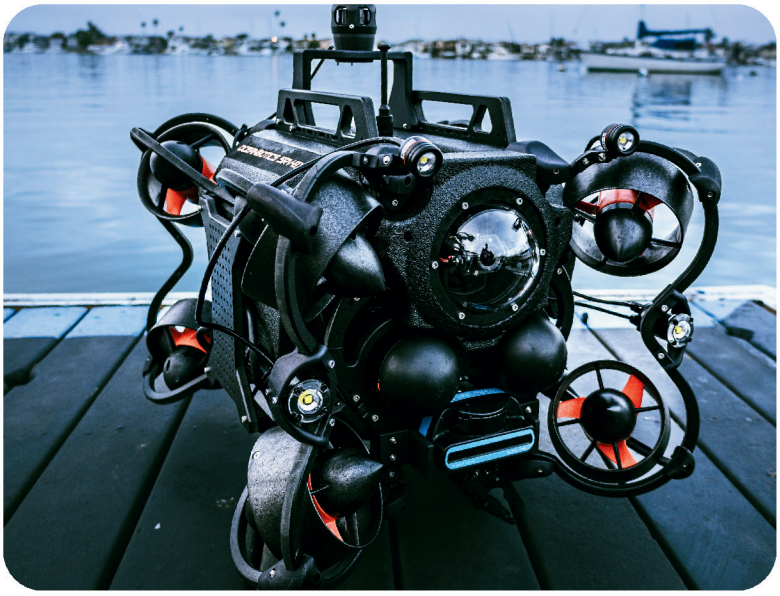
https://oceanbotics.com/srv-8x/

oceanbotics-srv-8x-data-sheet-2026.pdf

OCEANBOTICS®

SRV-8X

PROFESSIONAL UNDERWATER ROV



The SRV-8X ROV combines easy operation with rugged design for peak performance in the toughest underwater environments.

The SRV-8X is built for professionals who need greater payload capacity without sacrificing portability. Complete critical missions in deeper, high-current waters. Depth-rated to 350m *(500m & 1200m options available)* and battery-powered up to 8 hours, this user-friendly ROV is engineered for tough conditions and mission versatility.

Easy to Use & Most Maneuverable

Up to 8 Hrs of Battery Life

Fully Customizable Accessories

Depth Rated to 350 m

In-House Tech Support

SubNav OS: Intuitive ROV Software

Technical Specifications

Width: 51cm *(20in)*
Height: 43cm *(17in)*
Length: 64cm *(25in)*
Weight: 32kg *(71lb)*
Weight (w/o batteries): *24kg (54lb)*

Standard Depth Rating: 350m *(1,148ft)*
- *500m & 1200m options available*

Thrusters: (8) Large Brushless Direct Current Thrusters

Power Options:
Battery Power *(Standard)*
- **Runtime:** Up to 8 hours
- **Power Source:** Two hot-swappable battery modules
- **Operating Voltage:** 18V

Direct Power
- **Runtime:** Continuous
- **Power Source:** Topside Power System

Operating Temperature Range:
- In Air: -10°C to +60°C
- In Water: -2°C to +35°C

Video Resolution: 4k
Camera Tilt Range: 140°
Vehicle Pitch Range: 140°
Total Tilt Range: 280°

Lights: Set of 4 adjustable lights *(6,000 lumens)*

Navigation:
- Commercial Grade AHRS/IMU
- Precise Heading
- Altitude
- Pitch & Yaw

Sensors:
- Depth
- Temperature
- Turns Counter
- Humidity
- Pressure

External Ports:
- (2) RS-232/RS-485 connections
- (4) Ethernet connections

ROV Tether Options
- **Copper:**
  - **Diameter:** 4.5mm *(< 0.25in)*
  - **Length:** up to 300m
  - **Breaking Strength:** 350kg *(770lb)*
- **Fiberoptic:**
  - **Diameter:** 4.3mm *(< 1in)*
  - **Length:** 3+ km
  - **Breaking Strength:** 544kg *(1200lb)*
    - *340kg (750 lb) option available*

Included System Components:
- **Handheld Controller**
- **Ruggedized Laptop**
  - Features a sunlight-readable display
- **Digital Interface Module (DIM)**
  - Enables data transfer and storage between the ROV and the control system
- **SubNav OS Software**
  - Closed-source ROV software that offers intuitive piloting, mission recording, navigation, and easy post-processing with free regular updates.

Popular Accessory Add-Ons:
- Navpod Navigation Module
- Multi-Beam Imaging Sonar
- Doppler Velocity Log *(DVL)*
- Grabbers & Manipulators
- GPS Positioning System *(USBL)*

Additional Accessory Add-ons
For a complete list of compatible accessory add-ons, scan the QR code or visit ***oceanbotics.com/accessories***