ROVITEC

ROVITEC PRODUCT DOCUMENT

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SRV-8

Oceanbotics

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Document type: datasheet

Reviewed: 2026-09-15

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-8/

OCEANBOTICS

SRV-8

PROFESSIONAL UNDERWATER ROV

The SRV-8 ROV is built for ease of use, allowing operators of all experience levels to quickly master the controls and efficiently carry out complex underwater tasks.

Complete underwater tasks—retrieval, inspection, surveillance, and testing—much faster, easier, and cost-effectively. The SRV-8 ROV's (8) vectored thrusters deliver unmatched maneuverability, with quick deployment in under 3 minutes. Depth-rated to 350m and powered for up to 8 hours, it's built for efficiency in the toughest environments.



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: 43cm *(17in)*
Height: 41cm *(16in)*
Length: 50cm *(19.5in)*
Weight: 18.6kg *(41lb)*
Weight *(w/o batteries):* 13.2kg *(29lb)*

Standard Depth Rating: 350m *(1,148 ft)*

Thrusters: (8) Brushless Direct Current (DC) 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 2 adjustable lights *(3,000 lumens)*

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

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

External Ports:
- (1) RS-232/RS-485 connections
- (3) 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*

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 Solution
- 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***