

# 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 305m (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](https://oceanbotics.com/accessories)