

OCEANBOTICS

SRV-8X MDV

MINE DISPOSAL VEHICLE

Locate and neutralize naval mines and UXO with Oceanbotics' SRV-8X MDV (Mine Disposal Vehicle).

Trusted worldwide, it serves as a reliable, user-friendly tool that enhances diver-led MCM operations with added precision, safety, and efficiency. Designed for rapid deployment, it performs in demanding conditions without added complexity.

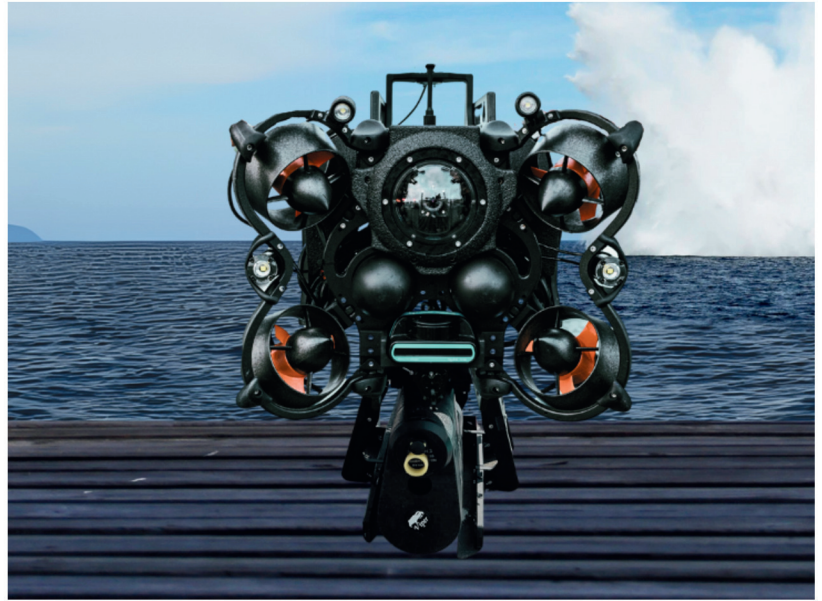
The SRV-8X MDV is our standard ROV with added mine disposal accessories. You can also customize the smaller SRV-8 to fit your specific mine disposal needs.

How to Neutralize a Mine Threat

- 1. Find the Mine** - Use the ROV's sonar and camera to locate the naval mine and move towards it.
- 2. Position the ROV** - Move the ROV to place the charge disruptor exactly on the mine's weak spot.
- 3. Release the Shock Tube** - Let go of the shock tube and back the ROV up to a safe distance.
- 4. Move to Safety** - Drive the ROV to a safe distance away from the mine.
- 5. Set Off the Explosion** - Once the ROV is at a safe distance, trigger the explosion to destroy the mine safely.

Included System Components:

- **Handheld Controller**
- **Ruggedized Laptop** (*Tablet option available*)
 - Features a sunlight-readable display for outdoor use
- **Digital Interface Module (DIM)**
 - Enables data transfer and storage between the ROV and the control system
- **SubNav-X OS Software**
 - Closed-source ROV software that offers intuitive piloting, mission recording, navigation, and easy post-processing with free regular updates.
- **Viper MDS, IED Neutralization System**
 - A safe, cost-effective firing system specifically designed for the disposal of IED threats, mines, and historic ordnance
- **Spoiled Shock Tube**
 - A coiled explosive delivery system used to safely send a signal to set off explosives
- **2-Dimensional Multi-Beam Imaging Sonar**
- **USBL Positioning System**



The SRV-8X MDV offers a safer alternative to traditional clearance diving by serving as a powerful tool for pre-dive inspections and high-risk EOD operations.

Technical Specifications

Width: 51cm (20in)

Height: 43cm (17in)

Length: 64cm (25in)

Weight (in air): 32kg (71lb)

Standard Depth Rating: 350m
(500m option available)

Thrusters: (8) Large Brushless Direct Current (DC) Thrusters

Battery Run Time: Up to 8 Hours

Source: (2) Hot-Swappable Battery Modules

Voltage: 18V

Operating Temperature Range:

- **In Air:** -10°C to +60°C
- **In Water:** -2°C to +35°C

Video Resolution: 4K

Camera Tilt Range: 140°

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

Navigation:

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

Sensors:

- Depth
- Temperature
- Turns Counter
- Heading
- Humidity
- Pressure

External Sensor Inputs:

- (2) RS-232/RS-485 connections
- (4) Ethernet connections

ROV Tether Options

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

Additional Accessory Add-ons

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



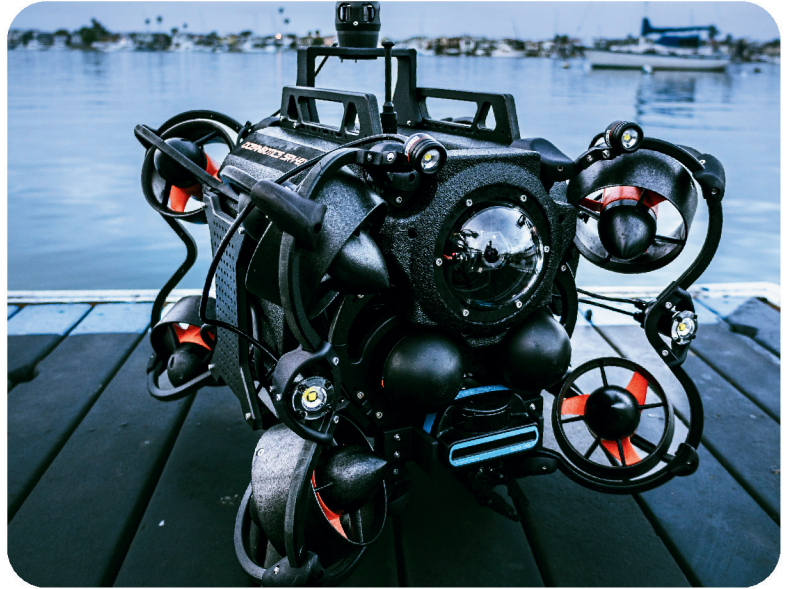
OCEANBOTICS®

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

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 - **Diameter:** 4.3mm (< 1in)
 - **Length:** 3+ km
 - **Breaking Strength:** 544kg (1200lb)
 - 340kg (750 lb) option available

Included System Components:

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- **Ruggedized Laptop**
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- **Digital Interface Module (DIM)**
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- **SubNav OS Software**
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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