

SRV-8 MDV

MINE DISPOSAL VEHICLE



The SRV-8 MDV (Mine Disposal Vehicle) is the latest addition to Oceanbotics' Special Purpose Vehicle Division.

This field-tested underwater ROV will detect and eliminate explosive mine threats quickly and efficiently, utilizing ECS Special Projects' Viper MDS technology for neutralizing improvised explosive devices (IEDs). The SRV-8 MDV's ease of use and adaptive software will allow commercial and naval EOD teams to locate and neutralize mine threats quickly.

System Capabilities

- Locate mine threats using a customized sonar tracking system.
- Track underwater sound targets such as emergency beacons and sonar transponders.
- Navigate to covertly marked locations using specialty transponders, ensuring secrecy in critical operations.

How it Works

- Use the SRV-8 MDV's state-of-the-art imaging sonar to detect mine threats.
- Upon reaching the mine, the Viper MDS will secure the charge disruptor to the mine.
- The operator will then navigate the vehicle away from the mine threat while deploying a shock tube that remains connected to the ROV.
- By activating the charge through the shock tube, the operator will effectively neutralize the mine threat, ensuring the safety of both personnel and the ROV.
- This new Special Purpose Vehicle prioritizes diver safety and enhances operational efficiency, making the SRV-8 MDV a necessary addition to any EOD dive team.

FLIP TO BACKSIDE FOR VEHICLE SPECIFICATIONS

SRV-8

UNDERWATER ROV



Vehicle Specifications

Length:	50 cm (19.5 in)
Width:	43 cm (17 in)
Height:	33 cm (13 in)
Weight:	18.6 kg (41 lb)
Depth Rating:	305 m (1,000 ft)
Thrusters:	8 Large Brushless DC Thrusters
Lights:	2ea 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
Sensors:	Depth/Temperature/Turns Counter/Heading/Humidity/Pressure
External Sensor Inputs:	- (2) Devices via RS232 or RS485 - (2) Devices via Ethernet

Battery

Battery Source:	Dual Hot-Swappable Battery Modules
Battery Life:	6-8 hours (depending upon usage)
Manipulator Arms: (Interchangable)	- 2-Jaw Grabber - 3-Jaw Grabber - Cutter - Sediment Sampler

Software

SubNav 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: 100 m Included (up to 300 m available)

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)

USBL

Seatrac USBL Navigation

Sonar

Imaging Sonar

Oculus 3D Imaging Sonar