DELTA ROV

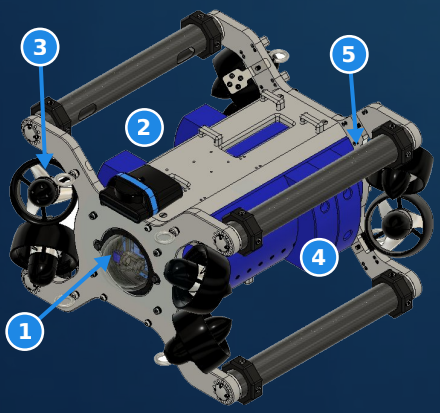
ALON 8 VEC A50 ROV

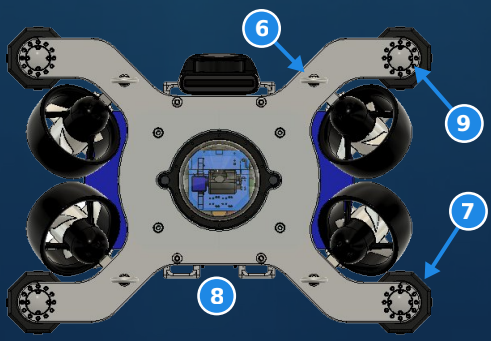
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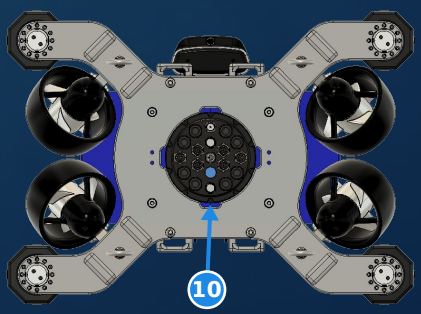
Discover unmatched underwater exploration with the DROV-ALON-8VEC-A50, offered exclusively by Delta ROV. Engineered to conquer depths of up to 500MSW, this ROV boasts 8x A50 Thrusters and a durable polypropylene frame, ensuring peak performance in challenging environments. Equipped with a Mission robotics control system, a 10G ethernet fiber switch with 3x 10G SFP slots and 8x 1G ethernet ports, and a Delta Serial to ethernet PCB with 2x RS232/RS422/RS485 ports, seamless connectivity is guaranteed. Additionally, the unit features 3x MCBH8MSS Original Subconn bulkheads, a charge port, and an external battery port, making it the complete solution for your underwater missions. Choose Delta ROV's ALON 8 VEC A50 for reliability and innovation beneath the waves.











1. **CAMERA DOME FHD/4K**
2. **CUSTOMER SENSOR**
3. **A50 THRUSTER**
4. **AUX BUOYANCY**
5. **HANDLE**
6. **EYE-BOLT THRUSTER RELEASE**
7. **DELRIN BUMPER**
8. **CABLE RETAINER**
9. **LIGHT**
10. **REAR BLUCKHEAD PLATE**

CONTENTS

- **1 ×** Polypropylene frame
- **4 ×** Carbon Fiber tubes / handles
- **1 ×** Control Pressure vessel 500mm 5inch diameter with electronics system
- **1 ×** FHD Camera (Optional UHD Upgrade)
- **1 ×** BAR100XT Depth Sensor
- **8 ×** A50 Thrusters c/w connectors and quick release bracket
- **4 ×** 1500 lumen forward facing lights with connector
- **1 ×** Integrated buoyancy 500MSW rated
- **6 ×** Additional auxiliary buoyancy block 500MSW rated
- **10 ×** 200g SS316 weights

SPECIFICATIONS

PHYSICAL

- Height: 450 mm
- Length: 690 mm
- Width: 625 mm
- Weight: 35 kg
- Depth Rating: 500 m
- Finish: Pressure vessel is anodized black
- Material: Aluminum 6061-T6, Polypropylene

PROPULSION & PERFORMANCE

- Thrusters: 8x A50 Thrusters 1000MSW rated 2 year warranty
- Bollard Pull / Thrust: Subsea Power Supply @24VDC
  - 1000W: 20 kgf all directions- 2000W: 27.5 kgf all directions
  - 3000W: 35 kgf all directions

  Battery Pack Supply 4S12P 78Ah @14.4VDC
  - 250W: 7.5kgf all directions (120min)
  - 500W: 12.5kft all direction (90min)
  - 1000W: 15kgf all directions (45min)
  - 2000W: 25kgf all directions (20min)
- Speed: 3 knots
- Vectors: Omni Directional

INTERFACE

- Processor: Jetson Nano
  - CPU: Quad-core ARM Cortex-A57 MPCore processor @ 1.43 GHz
  - GPU: 128-core NVIDIA Maxwell architecture (up to 921 MHz) delivering 472 GFLOPS of AI performance
  - Memory: 4 GB (or 2 GB on the entry-level variant) 64-bit LPDDR4 @ 25.6 GB/s- Display: HDMI 2.0 and eDP / DisplayPort
  - USB: 4× USB 3.0, USB 2.0 Micro-B
  - Networking: Gigabit Ethernet, M.2 Key E slot (for optional Wi-Fi/Bluetooth cards)
- Control system: NavX + Delta DRCS
- Connectivity: UbiSwitch Module 3x 10G SFP + 8x 1G- 1x SFP used for Fiber
  - 1x 1G used for Jetsons
  - 1x 1G used for DRCS

  2CH Ethernet to Serial 232/422/485 (optional)

WARRANTY Return-to-depot warranty. Includes parts and labor against manufacturing defects. Excludes water damage, fair wear and tear, transport cost.

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