

POSEIDON ROBOTICS



MAUI, Heavy Inspection Class ROV

The Maui ROV is designed with large payloads and challenging dives in mind. Combining cutting edge vectored thruster layout, professional Aluminum frame, and heavy payload capacity have resulted in an excellent performance. The Maui features an industrial flight computer and Linux user interface from Mission Robotics. With the Topside Integrated Console and its 22in sunlight readable monitor and hand controller, no additional equipment is required. The ROV flight computer supports a fully stabilized mode and enables 6 axis stability. The Maui has exceptional payload space, thanks to using smaller diameter thrusters stacked vertically.

SPECIFICATIONS:

ROV

1. Depth rating: 400m
2. Dimensions: 725x465x425mm (LWH)
3. Weight in air: 31kg
4. Payload capacity (fresh water): 9.3kg
5. Payload area: 610mm x 457mm
6. Thruster: 8 lateral (45deg), 6 vertical
7. Top speed: 3 knots
8. Video: 1080 HD camera with tilt
9. Aux video: 1 HD camera included
10. Video latency <100ms end to end
11. Lights: 8x 1,500 Lumen each
12. Connectivity: 3x Ethernet, 2x Serial
13. Aux power: 5/12/24VDC regulated

TOPSIDE INTEGRATED CONSOLE

1. Output voltage: 400VDC, 3kW
2. Input voltage: 240VAC
3. Monitor: 22in HD sunlight readable
4. Case: wheeled, 610x420x260mm, 24kg
5. Fully isolated output with LIM
6. Intel i5 PC (linux) + i7 running Windows
7. Aux HDMI monitor output

TETHER

1. Breaking strength: 200kg
2. Diameter: 9.1mm (neutral-freshwater)
3. Conductors: 2x19AWG+2TP+Earth



Poseidon Robotics

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Visit our website: PoseidonROV.com for more information.