

# POSEIDON ROBOTICS, LLC



## 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: 31.2kg
4. Payload capacity (fresh water): 9.3kg
5. Payload area: 610mm x 457mm
6. Thruster: 8 lateral (45deg), 6 vertical
7. Ballard Pull: 27kg lateral, 28kg vertical
8. Top speed: 3 knots
9. Video: 1080 HD IP camera with tilt
10. Aux video: 2 HD camera inputs
11. Lights: 8x 1,500 Lumen each
12. Connectivity: 1x Ethernet, 4x Serial
13. Aux power: 5/12/24/48VDC regulated

#### TOPSIDE INTEGRATED CONSOLE

1. Output voltage: 400VDC, 3kW
2. Input voltage: 240VAC, 15A maximum
3. Monitor: 22in HD sunlight readable
4. Case: wheeled, 610x420x260mm, 24kg
5. Fully isolated output with LIM
6. Intel i5 PC with Windows 10 installed
7. Aux HDMI monitor output

#### TETHER

1. Breaking strength: 250kg
2. Diameter: 9.1mm
3. Length up to 500m
4. Neutral in fresh water



## Poseidon Robotics, LLC

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Visit our website: [PoseidonROV.com](http://PoseidonROV.com) for more information.