



# Oceanus Hybrid<sup>\*</sup>

## Remotely Operated Vehicle

### Commercial grade performance with high-end features, all in a cost-efficient package

- Unparalleled control system and superior thruster performance delivers fully vectorized ROV maneuverability (Lateral ROV movement axis standard)
- Enhanced stability functions ensure controlling ROV in harsh conditions remains consistently easy
- Ships with marine grade aluminum constructed Oceanus Joystick, configured for superior ROV control
- One-touch video record function with overlay feature
- 1080p HD video standard
- 250GB solid state drive topside
- Touch-sensitive user interface provides control of all important ROV functions
- On-board high performance battery powers ROV providing quick setup and operations
- Ships with choice of standard or performance float block
- 15 lb lift capacity with standard float block
- 2 year warranty<sup>‡</sup>

**MARINENAV**

**BUILT NORTH ATLANTIC TOUGH.  
TRUSTED EVERYWHERE.**



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SPECIFICATIONS – OCEANUS HYBRID	
<b>Certifications</b>	ISO 9001: 2015, IEC 60945, items 8.2, 8.3, 8.4, 8.7
<b>Operating Environment</b>	Fresh or salt water, 0-50°C (32-122° F)
<b>Depth Rating</b>	100 m (328 ft)
<b>Maximum Speed *</b>	5 kn <i>*Maximum speed test conducted with ROV fitted with Performance Float Block and absence of all ballast weights</i>
<b>Topside Unit Weight</b>	11.34 kg (25 lbs)
<b>ROV Weight <sup>□</sup></b>	17.7 kg (39 lbs) <sup>□</sup> Estimated dry weight
<b>Approximate Total Shipping Weight<sup>†</sup></b>	44.00 kg (97 lbs) <sup>†</sup> Option selections may change overall shipping weight
<b>ROV Dimensions</b>	575 mm length (22.56"), 410 mm width (16.13"), 283 mm height (11.13")
<b>Topside Unit Housing Material</b>	Ultra high density polyethylene, neoprene o-ring and ABS latches
<b>ROV Housing Material</b>	Marine grade aluminum
<b>Lights</b>	2 x 1500 Lumen front Option of 4 x 1500 Lumen front lights available
<b>Camera</b>	Internal front: 1080p with tilt control
<b>Camera Tilt Angle</b>	+/- 45° pitch (vertical rotation)
<b>Camera Focus Range</b>	From the face of the housing dome to infinity
<b>Camera Field of View</b>	120° field of view
<b>Primary LCD Display</b>	12" TFT active matrix panel, 1200 nit brightness, 1024 x 768 resolution
<b>Secondary LCD Display</b>	10.1" TFT touch active matrix panel, 1000 nit brightness, 1280 x 800 resolution
<b>Data Storage</b>	250GB solid state drive topside
<b>Topside Unit Software OS</b>	Linux OS
<b>IMU (Sensors)</b>	Always on, Integrated with accelerometer & magnetometer measuring telemetry including tilt, roll, pitch, and heading, auto heading, auto depth functionality
<b>Depth Gauge</b>	Calibrated in meters or feet (user selectable)
<b>Topside Power</b>	Input: 100/240 V AC 50/60 Hz, System fully operational in 60 seconds
<b>ROV Power<sup>†</sup></b>	DC Battery @ 18 Amp 4 Hour Duty Cycle, with fast charge <sup>†</sup> 1 (up to 8 hour Duty Cycle @ 25%)
<b>ROV Control</b>	MarineNav Oceanus Joystick/knob control (IP 65)
<b>Topside Control Case</b>	Waterproof Pelican case, transport requires one person, IP 65 when closed, IP 62 when open
<b>On-Screen Display (OSD)</b>	Real-time data including recording time, voltage, water temperature, depth, date/time stamp, heading and attitude is overlaid or embedded with video. Operator input lines available. GPS co-ordinates displayed as overlay option when paired with accessory, enabled data entry field with customized logo available
<b>Settings</b>	Internally saved, persist through power cycles
<b>Tether System</b>	Rapid deployable, neutrally buoyant tether with water-tight cable connections, optional tether deployment system available
<b>Tether Length</b>	Option of maximum tether length to 300 m (984.3 ft) available
<b>Available Accessory Attachments <sup>◇</sup></b>	Single Axis manipulator arm

\* Oceanus Hybrid ROV pictured with standard float-block, standard 12" standard TFT active matrix display, standard Oceanus Joystick and optional feature of 4 x 1500 Lumen front lights.

† Two year warranty is available to MarineNav Oceanus ROV registered within the first year of purchase. For warranty to be valid all scheduled maintenance must be adhered to according to manufacturers guidelines. Warranty excludes tampering, misuse and regular wear. While we strive to ensure the accuracy of all items and descriptions in this document, this is not always possible. Specifications, options, and availability are subject to change without notice. Errors and omissions excepted. We reserve the right to limit quantities.

◇ Oceanus ROVs may exceed recommended depth ratings of available accessories. Consult manufacturer specifications for all accessories prior to use.

MarineNav Ltd. is an ISO 9001:2015 certified company. Our certified Quality Management System ensures that each unit we produce adheres to the strictest standards and complies with customer requirements.