

FULL HD
1080P
video



*Oceanus Hybrid Plus ROV system with optional four front lights and topside case with option of four USB ports



Oceanus Hybrid Plus*

Remotely Operated Vehicle

Commercial level performance with user convenience in mind

- Unparalleled control system and superior thruster performance delivers fully vectorized ROV maneuverability (Lateral ROV movement axis standard)
- MarineNav's Oceanus Multi port communication system allows rapid integration of third-party accessories, software and external processors
- 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
- 15" TFT active matrix panel, 1600 nit brightness (full daylight readable), 1024 x 768 resolution standard
- 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
- 15 lb lift capacity with standard float block
- 2 year warranty†

MARINENAV

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

Panmure Island Rd
Panmure Island, PE COA 1RO



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902 838-7011
www.marinenav.ca

SPECIFICATIONS – OCEANUS HYBRID PLUS

Certifications	ISO 9001: 2015, built to meet IEC 60945 standards
Operating Environment	Fresh or salt water, 0-50°C (32-122° F)
Depth Rating	100 m (328 ft)
Maximum Speed *	5 kn *Maximum speed test conducted with ROV fitted with Performance Float Block and absence of all ballast weights
Topside Unit Weight	13.15 kg (29.0 lbs)
ROV Weight †	17.7 kg (39 lbs) ‡ Estimated dry weight
Approximate Total Shipping Weight †	45.81 kg (101 lbs) ‡ Available options will change overall shipping weight
ROV Dimensions	575 mm length (22.56"), 410 mm width (16.13"), 283 mm height (11.13")
Topside Unit Housing Material	Ultra high density polyethylene, neoprene o-ring and ABS latches
ROV Housing Material	Marine grade aluminum
Lights	2 x 1500 Lumen front Option of 4 x 1500 Lumen front lights available
Camera	Internal front: 1080p with tilt control
Camera Tilt Angle	+/- 45° pitch (vertical rotation)
Camera Focus Range	From the face of the housing dome to infinity
Camera Field of View	120° field of view
Primary LCD Display	15" TFT active matrix panel, 1600 nit (full daylight readable), brightness 1024 x 768 resolution
Secondary LCD Display	10.1" TFT touch active matrix panel, 1000 nit brightness, 1280 x 800 resolution
Video Output	HDMI video output
Data Storage	250GB solid state drive
Topside Unit Software OS	MarineNav Proprietary Software Interface, Linux OS
IMU (Sensors)	Always on, Integrated with accelerometer & magnetometer measuring telemetry including tilt, roll, pitch, and heading, auto heading, auto depth functionality
Depth Gauge	Calibrated in meters or feet (user selectable)
Topside Power	Input: 100/240 V AC 50/60 Hz, System fully operational in 60 seconds
ROV Power †	DC Battery @ 18 Amp 4 Hour Duty Cycle, with super-fast charge ‡1 (up to 8 hour Duty Cycle @ 25%)
ROV Control	MarineNav Oceanus Joystick/dial control (IP 65)
Topside Control Case	Rugged waterproof case, transport requires one person, IP 65 when closed, IP 62 when open
On-Screen Display (OSD)	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
Settings	Internally saved, persist through power cycles
Wireless	Optional WiFi video broadcast to multiple devices simultaneously via integrated antenna, Wireless specification 802.11 ac/b/g/n on 2.4/5 GHZ
Tether System	Rapid deployable, neutrally buoyant tether with water-tight cable connections, optional tether deployment system available
Tether Length	Option of maximum tether length to 300 m (984.3 ft) available
Available Accessory Attachments + ‡	Single axis manipulator arm, 360° Rotating manipulator arm, USBL, Sonar, Tritech 720im, Tritech MicronDST

* Oceanus Hybrid Plus ROV pictured with standard float-block, standard 15" 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.

‡ Some accessories require use of the MarineNav multi port communication system.

‡ 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.

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