FULL HD 1080P video

4K VIDEO optional

Oceanus Pro Plus with optional 18.5" wide-screen primary display

Oceanus Pro Plus*

Remotely Operated Vehicle

Workhorse ROV with uncompromising features provides superior performance in all conditions

- High output submersible with speeds of 6 knots*
- Depth rating of 305 m (1000 ft)
- Optional MarineNav Fleet Management Suite reports status and health of ROV remotely for full tracking of one or multiple units
- MarineNav's Oceanus Multi port communication system allows rapid integration of third-party accessories, software and external processors
- Internal 1080p fixed rear camera standard (simultaneous front & rear camera viewing possible), optional 4K external camera available
- Wireless Broadcasting feature allows operator screen sharing to multiple parties
- 1 Terabyte solid state drive topside
- Option of 18.5" wide-screen or 24" TFT active matrix LCD displays
- Ships with marine grade aluminum constructed Oceanus Joystick, configured for superior ROV control
- Touch-sensitive user interface provides control of all important ROV functions
- 2 year warranty‡

MARINENAV

BUILT NORTH ATLANTIC TOUGH.
TRUSTED EVERYWHERE.

CERTIFIED COMPANY ISO 9001:2015

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1466 Panmure Island Wharf   902 838-7011
RR 2 Montague, PE C0A 1R0   www.marinenav.ca

SPECIFICATIONS — **OCEANUS PRO PLUS**

Certifications	ISO 9001: 2015, IEC 60945, items 8.2, 8.3, 8.4, 8.7
Operating Environment	Fresh or salt water, 0-50ºC (32-122º F)
Depth Rating	305 m (1000 ft)
Maximum Speed *	6 kn *Maximum speed test conducted with ROV fitted with Performance Float Block and absence of all ballast weights*
Topside Unit Weight†	18.6 kg (41.0 lbs) †*Approximate weight with standard 15" TFT active matrix panel*
ROV Weight ▯	17.3 kg (38.1 lbs) ▯ *Estimated dry weight*
Approximate Total Shipping Weightᶻ	62.0 kg (136.6 lbs) ᶻ*Available options will change overall shipping weight*
ROV Dimensions	578 mm (22.76") long, 412 mm (16.22") wide, 285 mm (11.22") height
Topside Unit Housing Material	Ultra high density polyethylene, neoprene o-ring and ABS latches
ROV Housing Material	Marine grade aluminum, Upgrades of optional anodized marine grade aluminum, protective coating available
Lights	4 x 1500 lumen front lights, 2 x 1500 lumen rear lights
Cameras	Internal Front: 1080p with tilt control, Rear internal: 1080p fixed camera, Optional 4k external camera available, Simultaneous viewing possible
Camera Tilt Angle	+/- 75º Pitch (vertical rotation)
Camera Focus Range	From the face of the housing dome to infinity with manual control
Camera Field of View	120º field of view
Primary LCD Display	15" TFT active matrix panel, 1600 nits brightness (full daylight readable), 1024x786 resolution. Optional 2000 nits available. Option of 18.5" wide-screen or 24" TFT active matrix LCD display.
Secondary LCD Display	10.1" TFT Touch active matrix panel, 1000 nits brightness (full daylight readable), 1280 x 800 resolution
Video Output	HDMI video output
Data Storage	1 terabyte solid state drive topside, 120 GB ROV
Topside Unit Software OS	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	Power over tether
ROV Control	MarineNav Oceanus Joystick/knob control (IP 65)
Topside Control Case	Waterproof Pelican 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 as, 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	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	Optional rapid deployable, neutrally buoyant tether with water-tight cable connections, optional tether deployment system available
Tether Length	500 m (1640.4 ft) maximum tether length
Available Accessory Attachments + ◊	Single axis manipulator arm, 360º Rotating manipulator arm, USBL, Hull crawler, Metal thickness gauge, Positioning & tracking system (above water), Sonar; Tritech MicronDST, Tritech 720im, Tritech 720ik, Blueprint Sub-sea Oculus

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* Oceanus Pro Plus ROV pictured with standard float-block, optional 18.5" wide-screen TFT active matrix display, standard Oceanus Joystick and standard 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.