Oceanus Mini ROV System

introducing NEW PRODUCT for 2020

A compact ROV system that can fit in a 12-inch diameter pipe, with high-end features including six vectorized thrusters providing lateral ROV movement and a full HD 1080p on-board camera.

A uniquely rugged inspection-class ROV system capable of operating to a maximum depth of 305 m (1000 ft.) and with a top speed of up to 4 knots*, the Oceanus Mini is ideal for performing inspections in confined areas like pipelines and holding tanks. The use of lightweight materials and a reduced footprint makes this ROV unit incredibly easy to transport and operate. A smaller size does not mean this ROV is lacking in power and versatility. Core construction of marine-grade aluminum and the same robust engineering standards found in our larger ROV vectorized thruster system ensures this system will stand-up to the toughest tests.

The MarineNav Oceanus Mini ROV offers these standard features;

- Powerful vectorized thruster design provides lateral movement
- Lightweight, compact design ideal for pipe and water tank inspections
- ROV weight of 8.62 kg (19 lbs)
- Power over tether design
- Up to 4 knot top speed*
- 2 x 1500 lumen lights
- 1080p high definition camera
- 15" topside
- Depth rating of 305m (1000ft)
- Compatible with Oceanus Pro topside control system and many Oceanus Pro accessories
- Limited 2-year warranty and MarineNav's Peace of Mind Guarantee*

Oceanus Mini ROV system includes Mini ROV, 15-inch topside control case and Oceanus hand controller

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Oceanus Mini ROV System

introducing NEW for PRODUCT 2020

Specifications

Certifications	ISO 9001: 2015
Operating Environment	Fresh or salt water, 0-50°C (32-122° F)
ROV movement and control	Full depth, horizontal and lateral movement: Auto depth, Heading hold and ROV stabilize modes
Depth Rating	305 m (1000 ft)
Maximum Speed *	4 kn
Topside Unit Weight	18.05 kg (39.8 lbs)
ROV Weight ▪	8.62 kg (19 lbs)
Approximate Total Shipping Weight†	36.97 kg (81.5 lbs)
ROV Dimensions	520 mm (20.47") long, 293 mm (11.53") wide, 225 mm (8.86") height
Topside Unit Housing Material	Ultra high density polyethylene, neoprene o-ring and ABS latches
ROV Housing Material	Marine grade aluminum. Optional upgrade of anodized marine grade aluminum, protective coating available
Lights	2 x 1500 Lumen front
Cameras	Internal Front: 1080p with tilt control
Camera Tilt Angle	+/- 120° Pitch (vertical rotation)
Camera Focus Range	Fixed focus 4" to infinity
Camera Field of View	120° field of view
Primary LCD Display	15" TFT active matrix panel, 1600 nits brightness (full daylight readable), 1024x786 resolution. Optional 2000 nits available
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	500 GB solid state drive topside, 64 GB solid state ROV
Topside Unit Software OS	Linux OS *(MarineNav Proprietary software interface)*
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 Hand Controller (IP 65)
Topside Control Case	Rugged waterproof case, transport requires one person. IP 65 when closed, IP 62 when open

A00018 MN-Mini-Specifications-08252020 - V14

Specifications - continued

Auxiliary Ports	1 auxiliary port: capable of 1 x RS485 / Manip / 15VDC)
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	Wi-Fi 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, USBL, Hull crawler, Metal thickness gauge, RS485 based sonar and accessories

* *Limited 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. Contact MarineNav for full details and restrictions of Peace of Mind Guarantee.*

* *Maximum speed test conducted with absence of all ballast weights.*

▪ *Estimated dry weight.*

† *Choice of available options will change overall shipping weight. Shipping weight based on 100 m tether, ROV unit, topside & hand controller.*

\+ *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.*

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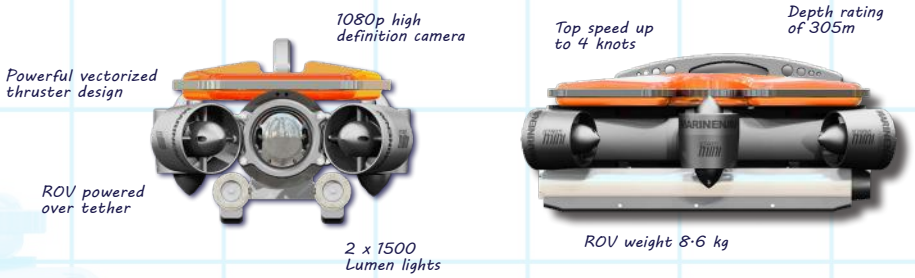

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Oceanus Pro ROV System

Designed, engineered & manufactured on-site. | MN

A mission-ready ROV system with a diverse range of attachment options for deep-dive recovery, defense, scientific research, and complex inspection tasks.

Widely used as an inspection-class ROV system performing demanding vessel and structural inspections, the Oceanus Pro operates to a maximum standard depth of 305 m (1000 ft.) with an optional upgrade to maximum depth of 400 m (1312 ft.)¶, and a top speed of 6 knots×. A wide range of attachments, including sonar systems makes the Oceanus Pro ideal for sectors requiring ROVs to conduct diver support, border protection, port security, evidence location, search and rescue, and recovery duties.

The MarineNav Oceanus Pro offers these standard features;

- Fully vectorized thruster design delivering superior ROV maneuverability (Lateral ROV movement axis standard)
- Depth rating of 305 m (1000 ft), optional upgrade to 400 m (1312 ft)¶
- Power over tether design
- Up to 6 knot top speed (with performance float block)×
- Touch-sensitive user interface provides control of all important ROV functions
- MarineNav's Oceanus Multi-Port communication system allows rapid integration of third-party accessories, software and external processors
- 500GB solid state drive topside
- Wireless broadcasting feature allows operator screen sharing to multiple parties
- Optional MarineNav Fleet Management Suite reports status and health of ROV remotely for full tracking of individual or multiple units
- Limited 2-year warranty and MarineNav's Peace of Mind Guarantee*

Oceanus Pro ROV system includes Pro ROV, 15-inch topside control case and Oceanus Joystick

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Oceanus Pro ROV System

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Specifications	
Certifications	ISO 9001: 2015
Operating Environment	Fresh or salt water, 0-50°C (32-122° F)
ROV movement and control	Full depth, horizontal and lateral movement: Auto depth, Heading hold and ROV stabilize modes
Depth Rating ¶	305 m (1000 ft), Optional upgrade to 400 m, (1312 ft)
Maximum Speed ˣ	6 kn
Topside Unit Weight	18.05 kg (39.8 lbs)
ROV Weight ▪	17.91 kg (39.5 lbs)
*Approximate Total Shipping Weight*ᵗ	46.26 kg (102 lbs)
ROV Dimensions	605 mm (23.82") long, 418 mm (16.46") wide, 279 mm (10.98") height
Topside Unit Housing Material	Ultra high density polyethylene, neoprene o-ring and ABS latches
ROV Housing Material	Marine grade aluminum. Optional upgrade of anodized marine grade aluminum, protective coating available
Lights	4 x 1500 Lumen front
Camera	Internal Front: 1080p with tilt control
Camera Tilt Angle	+/- 180° Pitch (vertical rotation)
Camera Focus Range	From the face of the housing dome to infinity with manual control
Camera Field of View	120° field of view
Primary LCD Display	15" TFT active matrix panel, 1600 nits brightness (full daylight readable), 1024x786 resolution. Optional 2000 nits available
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	500 GB solid state drive topside, 64 GB solid state ROV
Topside Unit Software OS	Linux OS *(MarineNav Proprietary software interface)*
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 Hand Controller (IP 65)
Topside Control Case	Rugged waterproof case, transport requires one person. IP 65 when closed, IP 62 when open

Specifications - continued	
Auxiliary Ports	1 auxiliary port: capable of 1 x RS485 + Manip / 15VDC
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	Wi-Fi 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	500 m (1640.4 ft) maximum tether length
Available Accessory Attachments + ▲	Single axis manipulator arm, USBL, Hull crawler, Metal thickness gauge, RS485 based sonars and accessories.

¶ *The Oceanus Pro Plus ROV system is rated to a maximum depth rating of 300 m (1000 ft) as a standard feature. A maximum depth rating of 400 m (1312 ft) is available as an optional upgrade feature. Contact a MarineNav representative for more details.*

* *Limited 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. Contact MarineNav for full details and restrictions of Peace of Mind Guarantee.*

ˣ *Maximum speed test conducted with absence of all ballast weights.*

ᵗ *Approximate weight with standard primary 15" TFT active matrix panel.*

▪ *Estimated dry weight*

† *Choice of available options will change overall shipping weight. Shipping weight based on 100 m tether, ROV unit, topside & hand controller.*

\+ *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.*

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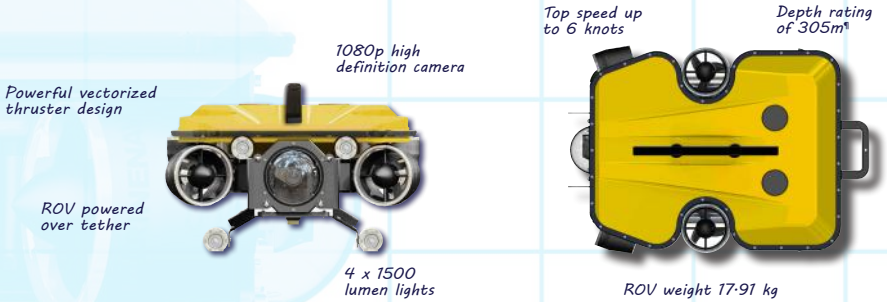

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Oceanus Pro Plus ROV System

Designed, engineered & manufactured on-site. | MN

A mission-ready ROV system with a diverse range of attachment options for deep-dive recovery, defense, scientific research, and complex inspection tasks.

Widely used as an inspection-class ROV system performing demanding vessel and structural inspections, the Oceanus Pro Plus operates to a maximum standard depth of 305 m (1000 ft.) with an optional upgrade to maximum depth of 400 m (1312 ft.)¶, and a top speed of 6 knots˟. A wide range of attachments, including sonar systems makes the Oceanus Pro Plus ideal for sectors requiring ROVs to conduct diver support, border protection, port security, evidence location, search and rescue, and recovery duties.

The MarineNav Oceanus Pro Plus ROV offers these standard features;

- Power over tether design allows for extended ROV dive times
- High bright 18.5" and 10" displays
- Four front-facing 1500 lumen lights
- Front facing 1080p HD camera with camera tilt angle of 180° pitch (vertical rotation)
- 1 Terabyte solid state drive topside
- Wireless Broadcasting feature allows operator screen sharing to multiple parties
- Fully vectorized thruster design delivers superior ROV maneuverability (Lateral ROV movement axis standard)
- Depth rating of 305 m (1000 ft), optional upgrade to 400 m (1312 ft)¶
- Up to 6 knot top speed (with performance float block)˟
- Touch-sensitive user interface and fully integrated Oceanus Joystick hand controller provide control of all important ROV functions
- MarineNav's Oceanus multi-port communication system allows rapid integration of third-party accessories, software and external processors
- Limited 2-year warranty and MarineNav's Peace of Mind Guarantee*

Oceanus Pro Plus ROV system includes Pro Plus ROV, 18.5-inch topside control case and Oceanus Joystick

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Oceanus Pro Plus ROV System

Designed, engineered & manufactured on-site. | MN

Specifications	
Certifications	ISO 9001: 2015
Operating Environment	Fresh or salt water, 0-50°C (32-122° F)
ROV movement and control	Full depth, horizontal and lateral movement: Auto depth, Heading hold and ROV stabilize modes
Depth Rating	305 m (1000 ft), Optional upgrade to 400 m, (1312 ft)
Maximum Speed ˣ	6 kn
*Topside Unit Weight*ǂ	18.6 kg (41.0 lbs)
ROV Weight ▪	17.91 kg (39.5 lbs)
Approximate Total Shipping Weight†	46.81 kg (103.2 lbs)
ROV Dimensions	605 mm (23.82") long, 418 mm (16.46") wide, 279 mm (10.98") height
Topside Unit Housing Material	Ultra high density polyethylene, neoprene o-ring and ABS latches
ROV Housing Material	Marine grade aluminum, Optional upgrade of anodized marine grade aluminum, protective coating available
Lights	4 x 1500 Lumen front lights
Cameras	Internal front: 1080p with tilt control, Optional 4k external camera available, (toggle between camera systems functions and control recording feature with topside Flight Control Software)
Camera Tilt Angle	+/- 180° Pitch (vertical rotation)
Camera Focus Range	From the face of the housing dome to infinity with manual control
Camera Field of View	120° field of view
Primary LCD Display	18.5" TFT active matrix panel, 1600 nits brightness (full daylight readable), 1024 x 786 resolution.
Secondary LCD Display	10.1" TFT Touch active matrix panel, 1000 nits brightness (full daylight readable), 1280 x 800 resolution
USB Ports	4
Video Output	HDMI video output
Data Storage	1 Terabyte solid state drive topside, 64 GB solid state ROV
Topside Unit Software OS	Linux OS *(MarineNav Proprietary software interface)*
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 Hand Controller (IP 65)

A00023 MN-Pro Plus-Specifications-09222020_V11

Specifications - continued	
Topside Control Case	Rugged waterproof case, transport requires one person, IP 65 when closed, IP 62 when open
Auxiliary Ports	2 auxiliary port: capable of 1 x RS485 + Manip / 15VDC
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	Wi-Fi 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	500 m (1640.4 ft) maximum tether length
Available Accessory Attachments + ▲	Single axis manipulator arm, 360° Rotating manipulator arm, USBL, Hull crawler, Metal thickness gauge, RS485 based sonars and accessories.

¶ *The Oceanus Pro Plus ROV system is rated to a maximum depth rating of 300 m (1000 ft) as a standard feature. A maximum depth rating of 400 m (1312 ft) is available as an optional upgrade feature. Contact a MarineNav representative for more details.*

* *Limited 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. Contact MarineNav for full details and restrictions of Peace of Mind Guarantee.*

ˣ *Maximum speed test conducted with absence of all ballast weights.*

ǂ *Approximate weight with standard primary 15" TFT active matrix panel.*

▪ *Estimated dry weight.*

† *Choice of available options will change overall shipping weight. Shipping weight based on 100 m tether, ROV unit, topside & hand controller.*

\+ *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.*

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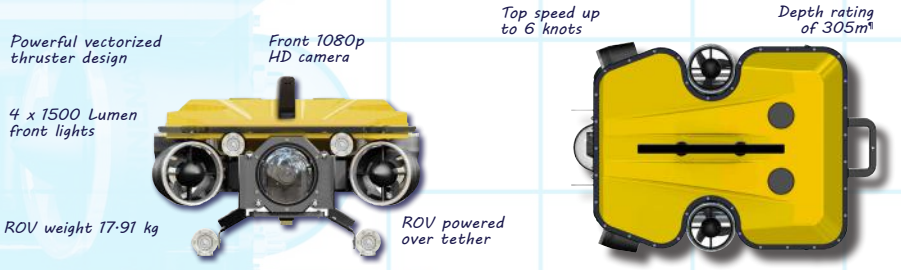

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Oceanus Hybrid Plus ROV System

Designed, engineered & manufactured on-site. | MN

Introductory ROV systems with high-end features, delivering commercial-grade performance in cost-efficient packages. Ideal for visual inspections and environmental assessments.

Weighing only 17.46 kg (38.5 lbs) and powered by an on-board DC battery delivering up to 8 hours use on a single charge[▾], The Oceanus Hybrid Plus ROV is a rugged, portable ROV option. Six vectorized thrusters provide lateral movement and an abundance of thrust, and an internal front camera system captures stunning full HD 1080P video.

The 15" topside control case features a full daylight readable 15" TFT active matrix panel and the inclusion of MarineNav's Multi-Port allows users to connect an external computer or processing unit to the Topside Control Case for direct interface with an attachment connected to the submersible.

The MarineNav Oceanus Hybrid Plus ROV offers these standard features;

- Fully vectorized thruster design delivers superior ROV maneuverability (Lateral ROV movement axis standard)
- On-board high performance battery powers ROV providing quick setup and operations
- Depth rating of 100 m (328 ft)
- Up to 5 knot top speed (with performance float block)[×]
- 15" TFT active matrix panel, 1600 nits brightness (full daylight readable), 1024 x 78 resolution standard
- MarineNav's Oceanus Multi-Port communication system provides rapid integration of third-party accessories, software and external and external processors
- One-touch video record function with overlay feature
- 250 GB solid state drive topside
- Limited 2-year warranty and MarineNav's Peace of Mind Guarantee*

OCEANUS HYBRID PLUS

Oceanus Hybrid Plus ROV system includes Hybrid Plus ROV, 15-inch topside control case and Oceanus Hand Controller

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Oceanus Hybrid Plus ROV System

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Specifications

Certifications	ISO 9001: 2015
Operating Environment	Fresh or salt water, 0-50°C (32-122° F)
ROV movement and control	Full depth, horizontal and lateral movement: Auto depth, Heading hold and ROV stabilize modes
Depth Rating	100 m (328 ft)
Maximum Speed ˣ	5 kn
Topside Unit Weight	18.05 kg (39.8 lbs)
ROV Weight ▪	17.46 kg (38.5 lbs)
Approximate Total Shipping Weight†	45.81kg (101 lbs)
ROV Dimensions	605 mm (23.82") length, 418 mm (16.46") wide, 279 mm (10.98") height
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. Optional upgrade of 4 x 1500 Lumen front lights
Camera	Internal Front: 1080p with tilt control
Camera Tilt Angle	+/- 180° Pitch (vertical rotation)
Camera Focus Range	Fixed focus 4" to infinity
Camera Field of View	120° field of view
Primary LCD Display	15" TFT active matrix panel, 1600 nits (full daylight readable), brightness 1024 x 768 resolution
Secondary LCD Display	10.1" TFT Touch active matrix panel, 1000 nits brightness, 1280 x 800 resolution
Video Output	HDMI video output
Data Storage	250 GB solid state drive topside
Topside Unit Software OS	Linux OS *(MarineNav Proprietary software interface)*
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
ROV Control	MarineNav Hand Controller (IP 65)
Topside Control Case	Rugged waterproof case, transport requires one person, IP 65 when closed, IP 62 when open
Auxiliary Ports	2 auxiliary ports: capable of 1 x RS485 / Manip / 15VDC

A00026 MN-Hybrid Plus-Specifications-08252020 - V7

Specifications - continued

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	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	300 m (984.3 ft) maximum tether length
Available Accessory Attachments + ▲	Single axis manipulator arm, 360° Rotating manipulator arm RS485 based sonars and accessories

* *Limited 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. Contact MarineNav for full details and restrictions of Peace of Mind Guarantee.*

ˣ *Maximum speed test conducted with ROV fitted with Performance Float Block and absence of all ballast weights.*

▪ *Estimated dry weight.*

† *Choice of available options will change overall shipping weight. Shipping weight based on 100 m tether, ROV unit, topside & hand controller.*

▾ *1 (up to 8 hour Duty Cycle @ 25%).*

\+ *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.*

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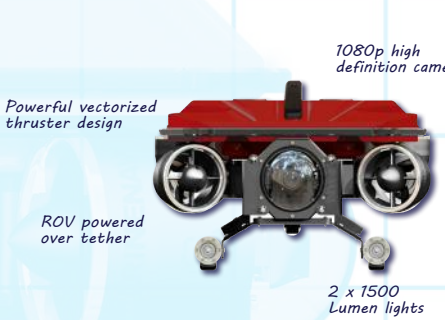

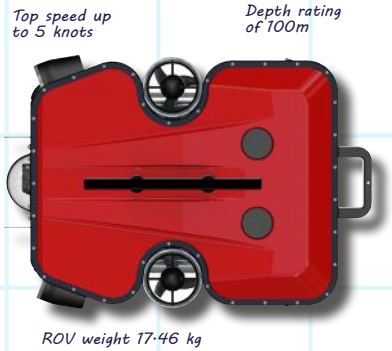

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Oceanus Hybrid Mini ROV System

introducing NEW for PRODUCT 2020

The affordable, fully portable, 100% battery operated compact ROV with full lateral movement. This compact ROV system can fit in a 12-inch diameter pipe, with high-end features including six vectorized thrusters and a full HD 1080p on-board camera.

A uniquely rugged inspection-class ROV system capable of operating to a maximum depth of 100 m (328 ft.) and with a top speed of up to 3 knots*, the Oceanus Hybrid Mini is ideal for performing inspections in confined areas like pipelines and holding tanks. The use of lightweight materials and a reduced footprint makes this ROV unit incredibly easy to transport and operate. A smaller size does not mean this ROV is lacking in power and versatility. Core construction of marine-grade aluminum and the same robust engineering standards found in our larger ROV vectorized thruster system ensures this system will stand-up to the toughest tests.

The MarineNav Oceanus Hybrid Mini ROV offers these standard features;

- Powerful vectorized thruster design provides lateral movement
- Lightweight, compact design ideal for pipe and water tank inspections
- ROV weight of 10.5 kg (23 lbs)
- 100% battery operated with no need for AC power in the field (upgradable to full power over tether)
- Quick change field swappable batteries allowing for longer deployment
- Up to 3 knot top speed*
- 2 x 1500 lumen lights
- 1080p high definition camera
- 10" Microsoft Surface Go tablet with a ruggedized case for video and ROV control
- Depth rating of 100m (328 ft) (optional upgrade of 200-300m depth)
- Corrosion-resistant anodized aluminum finish
- Limited 2-year warranty and MarineNav's Peace of Mind Guarantee*

Oceanus Hybrid Mini ROV system includes Mini ROV, Microsoft Surface Go tablet with a ruggedized case, tether and, backpack.

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Oceanus Hybrid Mini ROV System

introducing NEW for PRODUCT 2020

Specifications

Certifications	ISO 9001: 2015
Operating Environment	Fresh or salt water, 0-50°C (32-122° F)
ROV movement and control	Full depth, horizontal and lateral movement: Auto depth, Heading hold and ROV stabilize modes
Depth Rating	100m (328 ft) (optional upgrade of 200-300 m depth)
Maximum Speed *	3 kn
Tablet & Case Weight	1.1 kg (2.5 lbs)
ROV Weight ▪	10.5 kg (23 lbs)
Approximate Total Shipping Weight†	21.9 kg (48.28 lbs)
ROV Dimensions	520 mm (20.47") long, 293 mm (11.53") wide, 225 mm (8.86") height
ROV Housing Material	Corrosion-resistant anodized aluminum finish
Lights	2 x 1500 Lumen front LEd lights
Cameras	Internal Front: 1080p with tilt control
Camera Tilt Angle	+/- 120°
Camera Focus Range	Fixed focus 4" to infinity
Camera Field of View	120° field of view
Tablet	10" PixelSense™ Display with 1800 x 1200 (217 PPI) resolution, 3:2 aspect ratio, 10-point multi-touch, and ink
Video Output	1080p video output
Data Storage	eMMC drive: 64GB, or Solid-state drive (SSD): 128GB SSD, (upgradable) 256 GB removeable storage
Topside Unit Software OS	Windows 10 / Linux OS *(MarineNav Proprietary software interface)*
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)
ROV Power	14.8 v - lithium Ion @ 18 amp hours
ROV Control	The ROV is controlled through MarineNav custom software on the tablet. (An optional accessory controller is available)
Auxiliary Ports	1 auxiliary port: capable of 1 x RS485 / Manip / 15VDC)
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.
Settings	Internally saved, persist through power cycles

Specifications - continued

Tether System	Optional rapid deployable, neutrally buoyant tether with water-tight cable connections. Optional tether deployment system available
Tether Length	Optional 40 m, 75m, or 100 m tether length
Available Accessory Attachments + ▲	Single axis manipulator arm

* *Limited 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. Contact MarineNav for full details and restrictions of Peace of Mind Guarantee.*

* *Maximum speed test conducted with absence of all ballast weights.*

▪ *Estimated dry weight.*

† *Choice of available options will change overall shipping weight. Shipping weight based on 100 m tether, ROV unit, topside & hand controller.*

\+ *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.

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.

MARINENAV

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TRUSTED EVERYWHERE.

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