OCEANUS PRO PLUS

Remotely Operated Vehicle

Workhorse ROV with uncompromising features provides superior performance in all conditions

Product Features

- High output submersible with speeds of up to 6 knots*

- Depth rating of 305 m (1000 ft)

- On Board ROV 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

- Oceanus Joystick, configured for superior ROV control

- Touch-sensitive user interface provides control of all important ROV functions

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)

Maximum Speed*

6 kn

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 WeightΣ

62.0 kg (136.6 lbs)

ΣAvailable 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

Lights

4 x 1500 lumen front lights	2 x 1500 lumen rear lights

Cameras

Internal Front: 1080p with tilt control	Optional rear internal: 1080p fixed camera

Camera Tilt Angle

+/- 75o Pitch (vertical rotation)

Camera Focus Range / Camera Field of View

Camera Focus Range	Camera Field of View
From the face of the housing dome to infinity with manual control	120° 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

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 fi eld with
customized logo available

Settings

Internally saved, persist through power cycles

Wireless

WiFi video broadcast to multiple devices simultaneously via
integrated antenna, Wireless specifi cation 802.11 ac/b/g/n
on 2.4/5 GHZ

Tether System / Tether Length

Tether System	Tether Length
Optional rapid deployable, neutrally buoyant tether with water-tight cable connections, optional tether deployment system available	500 m (1640.4) maximum tether length. Standard tether length 180m.

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, CP.