

PORT SECURITY CONFIGURATION

PRO 4 PS 300XL



CONFIGURATION COMPONENTS

THE PRO 4 PS 300XL ROV has been specifically configured for Port Security Professionals to quickly and effectively perform a variety of underwater inspection tasks. It builds off the Pro 4 PS 300 SE by integrating the drop and go Smart Tether Positioning System along with the BlueView ProViewer P900-90 Imaging Sonar. Mated with the sub, these components comprise one of the most potent and effective underwater inspection / search and recovery tools available. The ROV system has a small “footprint” making it ideal to work out of the back of a truck or off a small vessel and has minimal power requirements.

Depth Rating: 305 m (1,000 ft)
Maximum Speed: 4.2 Knots



- Pro 4 ROV Submersible
- Pro 4 Professional ICB
- Integrated Toughbook Computer
- Rugged Hand Controller
- Fixed Second Camera
- BlueView P900-90 Multibeam Sonar
- LYNN Video Enhancement Technology
- Smart Tether Positioning System
- Manipulator
- Plug and Play Modular Tether
 - 75m (250 ft) Neutral Buoyancy
 - 75m (250 ft) Negative Buoyancy
 - 40m (130 ft) Neutral Buoyancy Performance
- Extended Tether Deployment System

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SPECIFICATIONS



SYSTEM

Total System Weight	47 kgs (105 lbs)
Cases	3 watertight, rugged cases
Owners Manual	Hard copy and digital
System Tool Kit	Basic tool kit and spares
Communications Protocol	RS485
Warranty	2 year limited

SUBMERSIBLE

Depth Rating	305m (1,000 feet)
Size	36.8, 29.2, 22.2 cm (14.5, 8.5, 9 in)
Weight	4.5 kgs (10.5 lbs)
Ballast	Tool-less ballast system with complete ballast set

Propulsion

Horizontal	4.2 knots 2 brushless Direct drive 100mm propellers	Vertical	1 brushless Geared 65mm propeller
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Camera

Main	High resolution NTSC or PAL Color and B&W Wide Dynamic Range Digital slow shutter White balance 20+ Real time camera settings	Second	High resolution NTSC or PAL Color 3.6mm fixed lens Sensitivity Color .1 lux View Angle 90° horizontal/140° diagonal Tilt Fixed, adjusted manually
Sensitivity	Color mode: .004 lux B&W mode: .0001 lux		
View Angle	90° horizontal/140° diagonal		
Tilt	180° servo control		

Lighting

LED array with 24 emitters - Expandable
3,600 lumens (5,760 max)

Sensors

3D-tilt Compensated Compass	Leak Indicator
Accelerometer	Water temperature
MEMS Gyro	Internal temperature

CONTROL CONSOLE

Size	53, 43, 22 cm (21,17, 8.5 in)
Weight	16 kgs (35 lbs)
Computer	Toughbook MIL-STD-810/IP54 with 10.5 inch touch screen display
Main Display	15 inch (shared desktop with computer display)
Controller	12 Button Professional Joystick (also delivered with wireless Logitech Wingman controller)
Recording	Integrated Recording (.WVM, .MPG format) One button hand controller recording
Overaly	Date, Time, Depth, Heading, Customized Text, Logo
Video Out	Digital or analog composite

TETHER

190m (630 ft) **total length**, modular plug and play tether (Excluding 40 m Smart Tether)
75m Standard Neutral Buoyancy Tether - 10mm diameter, 454 kg (1,000 lbs) breaking strength
75m Extension Negative Bouyancy Tether - 8mm diameter, 454 kg (1,000 lbs) breaking strength
40m Professional Performance Tether - 8mm diameter, 454 kg (1,000 lbs) breaking strength

Management Extended Tether Deployment System

INTEGRATED ACCESSORIES

Manipulator	Single Axis
Sonar	BlueView P900-90 Multibeam Imaging Sonar
Positioning	Smart Tether Non-Acoustic Positioning System
Enhancement	Lynn Hawk Real Time Video Enhancement