



P4 PS 300XPS



ADVANCED CONFIGURATION OVERVIEW

THE P4 PS 300XPS Port Security ROV System has been specifically configured for Military and Law Enforcement operations to quickly and effectively perform a variety of advanced underwater target location and inspection tasks. With additions of longer tether lengths, High Resolution Imaging sonar for target identification, victim location, and navigation, Non-Acoustic Tether Based ROV Positioning system, stocked P4 Maintenance Parts and Tool Kits, a daylight viewable High-Bright Monitor with video enhancement, and a Manipulator Arm, this system is the total package with everything needed to get the job done.



ADVANCED SYSTEM COMPONENTS

- P4 ROV Submersible
- P4 Control Panel with 15 inch High Bright Monitor
- Standard Computer With 15 Inch Display
- VideoRay Cockpit Control Software Included
- Wireless Programmable Hand Controller
- Rugged Programmable Hand Controller
- Plug and Play Modular Tether:
 - 40m (130 ft) Neutrally Buoyant Performance
 - 76m (250 ft) Neutrally Buoyant Standard
- Extra Capacity Tether Deployment System
- BlueView P900-45 High Res Imaging Sonar
- Smart Tether Non-Acoustic Positioning System
- Hull Crawler Attachment
- P4 Manipulator Arm with Sonar Mounts
- LYYN Real Time Video Enhancement
- P4 ROV Maintenance Kit and Advanced Tool Kit
- Five (5) Days of Open Enrollment Training



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P4 PS 300XPS SPECIFICATIONS

GENERAL SYSTEM

Power Requirements	800 watts, 100-240 VAC
Total System Weight	74.8 kgs (165 lbs)
Cases	Four Watertight Rugged Pelican Cases (plus Maintenance Kits)
Owners Manual	Hard Copy & Online Digital
System Tool Kit	Advanced Tool Kit and P4 Maintenance Kit
Communications Protocol	RS485
Warranty	2 year limited

SUBMERSIBLE

Depth Rating	305m (1,000 feet)
Size	37.5, 28.9, 22.3 cm (14.75, 11.4, 8.75 in)
Weight	6.1 kgs (13.5 lbs) With Full Ballast Set (Sonar Head is Additional 2.3 kgs (5 lbs)
Ballast	No Tools Ballast System with Complete Brass Ballast Set

Propulsion

Horizontal	4.2 Knots Maximum Speed	Vertical	1 Brushless Geared 65mm Propeller
	2 Brushless Direct drive 100mm Propellers		

Camera

Main	High Resolution - NTSC or PAL Format Color and B&W Wide Dynamic Range Digital Slow Shutter White Balance 20+ Real Time Camera Settings
Sensitivity	Color mode: .004 lux B&W mode: .0001 lux
View Angle	90° Horizontal/140° Diagonal
Tilt	160° Servo Control

Lighting

(2) LED Array with 24 Emitters 3,600 lumens	Beam Spread Covers Entire Range of Main Camera
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Integrated Sensors

3D-Tilt Compensated Compass Accelerometer MEMS Gyro	Leak Indicator Water Temperature Internal Temperature	Operating Volt Meter
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CONTROL PANEL

Size	53, 43, 22 cm (21,17, 8.5 in)
Weight	16 kgs (35 lbs)
Computer	Standard Computer with 15 Inch High Resolution Screen Display
Software	Programmed with complete suite of VideoRay Cockpit Control software
Main Display	15 Inch Control Panel Integrated Daylight Viewable High Bright Monitor
Controller	Rugged USB Programmable Hand Controller and Wireless USB Programmable Hand Controller
Recording	Integrated Recording (.WMV format) One Button Hand Controller Video and Still Image Recording
Overlay	Date, Time, Depth, Heading, Customized Text, Logo
Video Out	Digital or Analog Composite

TETHER

116 m (380 ft) total length, Modular Plug and Play Tether: 76m (250 ft) Standard Neutral Buoyancy Tether - 10mm diameter, 454 kg (1,000 lbs) breaking strength 40m Professional Performance Neutral Tether - 8mm diameter, 454 kg (1,000 lbs) breaking strength Extended Capacity Tether Deployment System Enclosed in a Pelican 1620 Case with slip ring
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INTEGRATED ACCESSORIES

BlueView P900-45 (45 Degree Field Of View) High Resolution Imaging Sonar with Integration and Software
Smart Tether Non-Acoustic Tether Based Positioning System with Integration and Software
Hull Crawler Attachment - no tools required - on or off in seconds
LYYN Real Time Video Enhancement Feature
Single Axis Manipulator Arm

Inquire with an Authorized Sales Representative About Available Accessories For This ROV System



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