

PORT SECURITY CONFIGURATION

PRO 4 PS 300XPS

THE PRO 4 PS 300 XPS 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.



SYSTEM COMPONENTS

- » Pro 4 ROV Submersible
- » Pro 4 Control Panel with 15-inch High Bright Monitor
- » Wireless Programmable Hand Controller
- » Rugged Programmable Hand Controller
- » Extended Capacity Tether Deployment System
- » Plug and Play Modular Tether:
 - 40 m (130 ft) Neutrally Buoyant Performance
 - 76 m (250 ft) Neutrally Buoyant Standard
- » Smart Tether Non-Acoustic Positioning System
- » Hull Crawler Attachment
- » BlueView P900-45 High Res Imaging Sonar
- » PRO 4 Manipulator Arm with Sonar Mounts
- » LYNN Real Time Video Enhancement
- » Pelican 1620 Hard Case with Custom Packaging
- » Pelican 0450 Tool Chest
- » Owners Manual
- » PRO 4 ROV Maintenance Kit and Advanced Tool Kit
- » Five (5) Days of Open Enrollment Training



PHOTO: STEVE VAN METER



GENERAL SYSTEM

Power Requirements	100-240 VAC
Total System Weight	74.8 kg (165 lb)
Cases	4 Watertight Rugged Pelican Cases
Owners Manual	Hard Copy & Online Digital
System Tool Kit	Advanced Tool Kit and P4 Maintenance Kit
Communications Protocol	RS-485
Warranty	2 Year Limited

SUBMERSIBLE

Depth Rating	305 m (1,000 ft)
Size	37.5, 28.9 22.3 cm (14.75, 11.4, 8.75 in)
Weight	6.1 kg (13.5 lb) [with Full Ballast Set] (sonar head is additional 2.3 kg (5 lb))
Ballast	(No Tools Required) Ballast System with Complete Stainless Ballast Set

PROPULSION (4.2 Knots Maximum Speed)

Horizontal/Vertical	2 Brushless/1 Brushless Direct Drive/Geared 100 mm Propellers/65 mm Propeller
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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
Vertical Tilt	180° Control

LIGHTING

(2) LED Array with 32 Emitters 3,600 lumens	Beam Spread covers entire range of Main Camera
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INTEGRATED SENSORS

3D-Tilt Compensated Compass	Leak Indicator	Volt Meter
Accelerometer	Water Temperature	Depth Sensor
MEMS Gyro	Internal Temperature	

CONTROL PANEL

Size	53, 43, 22 cm (21, 17, 8.5 in)
Weight	16 kg (35 lb)
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, .AVI format) One Button Hand-Controlled Video and Still Image Recording
Overlay	Date, Time, Depth, Heading, Customized Text, Logo
Video Out	Digital or Analog Composite

TETHER

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

INTEGRATED ACCESSORIES

BlueView P900-45 (45° 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 needed for installation
LYYN Real Time Video Enhancement
Single Axis Manipulator Arm

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