



PORT SECURITY ROV CONFIGURATION P4 PS 300BASE



BASE CONFIGURATION OVERVIEW

THE P4 PS 300BASE Port Security ROV System has been specifically configured for Military and Law Enforcement Personnel to quickly and effectively perform a variety of basic underwater inspection tasks. The PS 300BASE ROV system is a portable and cost effective solution that can be deployed in minutes and operated by one person. Underwater security sweeps of ship hulls and piers can be performed quickly and without the cost and inconvenience of divers. The included Hull Crawler attachment allows the VideoRay to latch on to ship hulls in high current conditions for stable video inspections.



BASE SYSTEM COMPONENTS

P4 ROV Submersible
P4 Control Panel (Monitor Not Included)
Standard Computer With 15 Inch Display
VideoRay Cockpit Control Software Included
Wireless Programmable Hand Controller
Plug and Play ModularTether:
40m (130 ft) Neutrally Buoyant Performance
76m (250 ft) Neutrally Buoyant Standard
Hull Crawler Attachment
Standard Capacity Tether Deployment System
Pelican 1620 Hard Case with Custom Packaging
Basic Tool Kit With Complete Ballast Set
Owners Manual
Sunshade
Three (3) Days of Open Enrollment Training
Sonar Ready



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P4 PS 300BASE SPECIFICATIONS

GENERAL SYSTEM

Power Requirements	800 watts, 100-240 VAC
Total System Weight	63 kgs (139 lbs)
Cases	Three Watertight Rugged Pelican Cases
Owners Manual	Hard Copy & Online Digital
System Tool Kit	Basic Tool 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
Ballast	No Tools Ballast System with Complete Brass Ballast Set

Propulsion

Horizontal	4.2 Knots Maximum Speed 2 Brushless Direct drive 100mm Propellers	Vertical	1 Brushless Geared 65mm 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
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	Available as an Upgrade on BASE Configurations
Controller	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

40 m (130 ft) total length, Plug and Play Modular Tether: 40m Professional Performance Neutral Tether - 8mm diameter, 454 kg (1,000 lbs) breaking strength 76m Standard Neutral Buoyancy Tether - 10mm diameter, 454 kg (1,000 lbs) breaking strength	
Management	Standard Capacity Tether Deployment System Enclosed in a Pelican 1620 Case with slip ring

INTEGRATED ACCESSORIES

No tools required Hull Crawler attachment - on or off in seconds
Sonar Ready Hardware Included (Sonar Not Included)

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



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