



# POTABLE WATER ROV CONFIGURATION P4 PW 300BASE



## BASE CONFIGURATION OVERVIEW

**THE P4 PW 300BASE** Potable Water ROV System has been specifically configured for water districts and water tank inspectors to quickly and effectively perform a variety of basic underwater inspection tasks. The easily deployable ROV, which can fit in a backpack for a long climb to the top of a tank, can eliminate the risk of human contamination and exposing divers to unsafe conditions. The agile submersible can survey beams, standpipes, and cables with ease as well as interior roofing structure with the second externally mountable camera.



## 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 Modular Tether:
  - 100m (330 ft) Neutrally Buoyant
  - 100m (330 ft) Negatively Buoyant
- Extra Capacity Tether Deployment System
- Second Externally Mountable Camera
- Pelican 1620 Hard Case with Custom Packaging
- Basic Tool Kit With Complete Ballast Set
- Owners Manual
- Sunshade
- Three (3) Days of Open Enrollment Training for One Operator



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# P4 PW 300BASE SPECIFICATIONS

## GENERAL SYSTEM

Power Requirements	800 watts, 100-240 VAC
Total System Weight	79 kgs (175 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

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

## 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

200 m (660 ft) total length, Plug and Play Tether	
100m (330 ft) Standard Neutral Buoyancy Tether - 10mm diameter, 454 kg (1,000 lbs) breaking strength	
100m (330 ft) Extension Negative Buoyancy Tether - 8mm diameter, 454 kg (1,000 lbs) breaking strength	
Management	Extra Capacity Tether Deployment System Enclosed in a Pelican 1620 Case with slip ring

## INTEGRATED ACCESSORIES

Second Externally Mountable Hi Resolution Color Camera With Integrated LED Ring

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



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