



P4 AQ 300MS



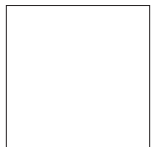
BASE CONFIGURATION OVERVIEW

THE P4 AQ 300MS Aquaculture ROV System has been specifically configured for fish farmers to quickly and effectively perform a variety of basic underwater inspection tasks. The easily deployable ROV can help control fishery operations by seeing what's happening beneath the surface without divers while cutting fish loss through net inspections, finding expensive lost equipment, and performing regulatory compliance work. Survey sea beds, inspect and sample polluted sites without spreading disease, recover morts, and check the condition of cages, quays, pipes, cables, and moorings.



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 Standard Tether
- 125m (410 ft) Neutrally Buoyant
- Standard Capacity Tether Deployment System
- Manipulator Arm with ROV Mounts
- 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 AQ 300MS SPECIFICATIONS

GENERAL SYSTEM

Power Requirements	800 watts, 100-240 VAC
Total System Weight	65 kgs (144 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	36.8, 26.7, 21.6 cm (14.5, 10.5, 8.5 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 i7 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

Management	125 m (410 ft) total length, Plug and Play Tether 125m (410 ft) Standard Neutral Buoyancy Tether - 10mm diameter, 454 kg (1,000 lbs) breaking strength Standard Capacity Tether Deployment System Enclosed in a Pelican 1620 Case with slip ring
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INTEGRATED ACCESSORIES

Single axis manipulator arm with ROV mounts

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



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