



P4 SAR 300R



RUGGED CONFIGURATION OVERVIEW

THE P4 SAR 300R Search and Recovery ROV System has been specifically configured for Law Enforcement, First Responder, Public Safety Dive, and Search and Rescue teams to quickly and effectively perform a variety of basic underwater observation tasks in rugged environments where gear takes a beating. The standard computer from the BASE Scientific system is replaced with a rugged Toughbook computer and adds an industrial hand controller. The VideoRay has been proven in more drowning victim location and evidence recovery operations than any other small ROV.



RUGGED SYSTEM COMPONENTS

- P4 ROV Submersible
- P4 Control Panel (Monitor Not Included)
- Toughbook Computer -10.5 Inch Display
- VideoRay Cockpit Control Software Included
- Rugged Programmable Hand Controller
- Wireless Programmable Hand Controller
- Plug and Play Neutral Tether:
 - 150m (500 ft) Neutrally Buoyant Standard
 - Extra Capacity Tether Deployment System
 - Manipulator Arm With ROV Mounts
 - LYYN Real Time Video Enhancement Feature
 - Pelican 1620 Hard Case with Custom Packaging
 - P4 ROV Maintenance Kit with Advanced Tool Kit
 - Three (3) Days of Open Enrollment Training for One Operator
- Sonar Ready



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P4 SAR 300R SPECIFICATIONS

GENERAL SYSTEM

Power Requirements	800 watts, 100-240 VAC
Total System Weight	53 kgs (117 lbs)
Cases	Three Watertight Rugged Pelican Cases (plus Maintenance Kit)
Owners Manual	Hard Copy & Online Digital
System Tool Kit	P4 ROV Maintenance Kit with Advanced 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 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 and Rugged 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

150 m (500 ft) total length, Plug and Play Tether:
Standard Neutral Buoyancy Tether - 10mm diameter, 454 kg (1,000 lbs) breaking strength
Extra Capacity Tether Deployment System Enclosed in a Pelican 1620 Case with slip ring

INTEGRATED ACCESSORIES

LYYN Real Time Video Enhancement Feature
Single Axis Manipulator Arm with ROV Mounts
Sonar Ready Hardware Included (Sonar Not Included)

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



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