



RUGGED CONFIGURATION OVERVIEW

THE P4 SCI 300R Scientific ROV System has been specifically configured for researchers, biologists, educators, and scholars 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 one man deployable ROV can document fascinating marine life and their habitats, ancient architectural sites, endangered and invasive species, and polluted habitats in harsh environments both above and below the surface.



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:
 - 100m (330 ft) Neutrally Buoyant
 - Standard Capacity Tether Deployment System
 - LYYN Real Time Video Enhancement Feature
 - 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



P4 SCI 300R SPECIFICATIONS

GENERAL SYSTEM

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|-------------------------|---------------------------------------|
| Power Requirements | 800 watts, 100-240 VAC |
| Total System Weight | 62.8 kgs (138.6 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

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|--------------|---|
| 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

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

Camera

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|-------------|---|
| 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

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| (2) LED Array with 24 Emitters 3,600 lumens | Beam Spread Covers Entire Range of Main Camera |
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Integrated Sensors

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

CONTROL PANEL

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|--------------------|--|
| Size | 53, 43, 22 cm (21,17, 8.5 in) |
| Weight | 16 kgs (35 lbs) |
| Computer | Toughbook Computer -10.5 Inch Swivel Display |
| Software | Programmed with complete suite of VideoRay Cockpit Control software |
| Integrated Display | Available as an Option |
| Controller | Rugged USB Programmable Hand Controller and 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

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|------------|---|
| Management | 100 m (330 ft) total length, Plug and Play Tether: 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 |
|------------|---|

INTEGRATED ACCESSORIES

LYYN Real Time Video Enhancement Feature

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



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