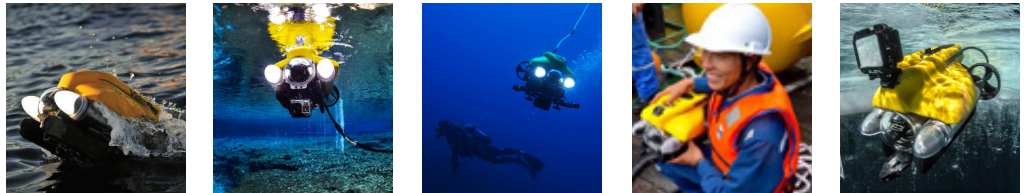# Product Data Sheet

# Pro 4 Standard BASE



The Pro 4 **Standard BASE** Remotely Operated Vehicle (ROV) system has been specifically configured to quickly and effectively perform a variety of basic underwater tasks. The Standard BASE ROV system is a portable and cost-effective solution that can be deployed in minutes and operated by one person if necessary.

The Pro 4 Standard BASE system includes a Pro 4 submersible, Pro 4 Integrated Control Box (ICB) with a Dell i5 computer loaded with VideoRay Cockpit control software, and an industrial hand controller.

The Standard BASE configuration is ready to accept the majority of VideoRay accessories and can be upgraded to accept sonars. The user must also select a tether configuration for this system.

**SYSTEM INFORMATION**

| | |
|---|---|
| Depth Rating: | 305m (1,000 ft) |
| System Weight: | 38.5 kg (85lbs) |
| Communications Protocol: | RS-485 |
| Cases: | 2 Watertight Rugged Hard Cases |
| Owners Manual: | Hard Copy and Online Digital |
| Tool Kit: | Basic Tool Kit |
| Warranty: | 2 Year Limited |
| Additional: | Sunshade |

## SUBMERSIBLE

| | |
|---|---|
| Length | 37.5cm (14.75in) |
| Width | 28.9cm (11.4in) |
| Height | 22.3cm (8.75in) |
| Weight | 6.1kg (13.5cm) [with Full Ballast Set] |
| Ballast | Ballast System with Complete Stainless Ballast Set |

### Propulsion

| | |
|---|---|
| Configuration | 3 thrusters (2 horizontal/1 vertical) |
| Motor Type | Brushless |
| Thrust | 21lb |
| Speed | 4.2 knots |
| Propeller | 100mm Propellers/65mm Propeller |

### Lighting

| | |
|---|---|
| Type | Optimized LED Arrays |
| Number of Sources | 2 |
| Camera Coverage | Forward-looking Beam Spread covers entire range of Main Camera |
| Lumens | 3,600 lumens per light (7,200 total) |

### Integrated Sensors

| | |
|---|---|
| Accelerometer | 3D Tilt Compensated Compass |
| Leak Indicator | Internal Temperature |
| Depth Sensor | MEMS Gyro |
| Water Temperature | System Voltage |

### CAMERA

| | |
|---|---|
| Main | High Resolution - NTSC or PAL Format<br>Color or Black & White<br>Wide Dynamic Range<br>Digital Slow Shutter<br>White Balance<br>20+ Real Time Camera Settings |
| Sensitivity | |
|   Color Mode | 0.004 Lux |
|   B&W Mode | 0.0001 Lux DSS |
| View Angle | 90° Horizontal<br>140° Diagonal |
| Vertical Tilt | 180° Control |

## CONTROL PANEL

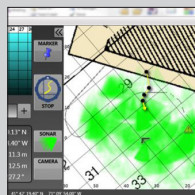| | |
|---|---|
| Power Requirements | 100-240 VAC |
| Length | 53cm (21in) |
| Width | 43cm (17in) |
| Height | 22cm (8.5in) |
| Weight | 16kg (35lb) |
| Computer | Dell i5 with panel integration and tilt mount |
| Software | Complete suite of VideoRay cockpit control software |
| Main Display | Available as an Upgrade on BASE configurations |
| Controller | Industrial Programmable Hand Controller |
| Recording | Integrated Recording (.WMV, .AVI)<br>One Button Hand-Controlled<br>Video and Still-Image Recording |
| Overlay | Date, Time, Depth, Heading, Customized Text, Logo |
| Video Out | Digital or Analog Composite |

## TETHER

| | |
|---|---|
| Neutral Performance | Neutral bouyancy, smaller diameter |
| Standard Neutral | Neutral bouyancy |
| Negative Extension | Negative bouyancy |

VideoRay tether is plug and play; the type and length are selected based on how you plan to use the ROV system. See above options and select.

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## ACCESSORIES  For more details, visit www.videoray.com



**Sonar**
Blueprint
Blueview (pictured)
Tritech



**Navigation & Positioning Systems**
Non Acoustic Positioning
USBL



**Manipulators**
Single Axis
Rotating (pictured)



**Auxillary Cameras**
Second POV
GoPro



**Non Destructive Testing (NDT)**
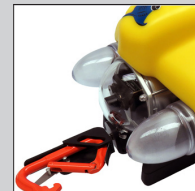Ultrasonic Thickness (pictured)
Cathodic Protection
Radiation Probe



**Shiphull Crawler**



**Video Enhancement**



**Automation**
CoPilot RI by Seebyte



**Recovery and Retreival Tool Kit**

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