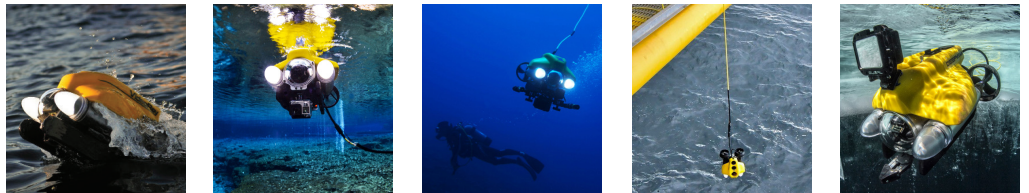# VideoRay

## Product Data Sheet
# Pro 4 IP65 BASE

The Pro 4 **IP65 Control Panel** features the same functions and capabilities of the Pro 4 Rugged ICB in a slightly different package. The Pro 4 IP65 Control Panel replaces the standard control panel and processor with equipment that meets IP65 standards, including dust and waterproof connectors. It also adds a secondary 15" daylight viewable sealed monitor, perfect for monitoring both video and accessory feeds.

The Pro 4 IP65 Control Panel is delivered with all necessary cables, software, and processors. It is compatible with all Pro 4 submersibles, tether, and most VideoRay accessories. The Pro 4 IP65 Control Panel can be upgraded to accept autonomous control, sonars, and positioning systems.

## 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 and spares with complete Ballast Set |
| Warranty | 2 Year Limited |
| Additional | BlueView Sonar-Ready Hardware |
| | Sunshade |

## SUBMERSIBLE

| | |
|---|---|
| Length | 37.5cm (14.75in) |
| Width | 28.9cm (11.4in) |
| Height | 22.3cm (8.75in) |
| Weight | 6.1kg (13.5lb) |
| Ballast | Toolless Ballast System |
| Coating | Cerakoted |

### Propulsion

| | |
|---|---|
| Configuration | 3 thrusters (2 horizontal/1 vertical) |
| Motor Type | Brushless |
| Thrust | 21lbs |
| 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 Format |
| | Color or Black & White |
| | Wide Dynamic Range |
| | Digital Slow Shutter |
| | White Balance |
| | 20+ Real Time Camera Settings |
| Sensitivity | |
|     Color Mode | 0.4 Lux/30 IRE @ F1.2/AGC max |
|     B&W Mode | 0.001 Lux DSS |
| View Angle | 90° Horizontal |
| | 140° Diagonal |
| Vertical Tilt | 180° Control |

## CONTROL PANEL*

| | |
|---|---|
| Power Requirements | 100-240 VAC / 50/60 Hz |
| | 800 Watts (Max Power) |
| Length | 53cm (21in) |
| Width | 43cm (17in) |
| Height | 22cm (8.5in) |
| Weight | 18kg (40lb) |
| Computer | Amrel Rocky IP-65 Rated PC, Intel Core i71.7 GHz Processor |
| | MIL-STD & IP Rating |
| | 810G, 461F, & IP65 |
| Software | VideoRay cockpit pre-installed |
| Main Display | 15" Daylight Viewable IP-65 monitor |
| | Secondary: 13.3" laptop screen |
| Controller | IP65 Hand Controller |
| Recording | Integrated Recording (.WMV, .AVI) |
| | One Button Hand-Controlled |
| | Video and Still-Image Recording |
| Additional features | Auto-depth, auto-heading |
| Overlay | Date, Time, Depth, Heading, Customized text, Logo |
| Video Out | Digital Video |

## TETHER

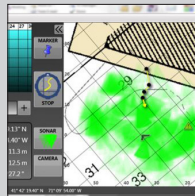| | |
|---|---|
| Neutral Performance | Neutral bouyancy, smaller diameter |
| Standard Neutral | Neutral bouyancy |
| Negative Extension | Negative bouyancy |

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.

* NOTE: Per frequently cited military requirements, the Pro 4 IP65 computer does not include Wifi or a webcam. Please contact your VideoRay account manager for more information.

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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**