

POTABLE WATER CONFIGURATION

# PRO 4 PW 300BASE

**THE PRO 4** PW 300BASE Potable Water ROV System has been specifically configured for water districts and water tank inspectors to quickly and effectively perform a variety of basic underwater inspection tasks. The easily deployable ROV, which can fit in a backpack for a long climb to the top of a tank, can eliminate the risk of human contamination and exposing divers to unsafe conditions. The agile submersible can survey beams, standpipes, and cables with ease as well as interior roofing structure with the second externally mountable camera. The Pro 4 PW 300BASE includes the new ultra portable ULTRA Control panel which weighs about 40% less than the standard VideoRay Pro 4 Control Panel.

## SYSTEM COMPONENTS

- » Pro 4 ROV Submersible
- » Pro 4 ULTRA Control Panel (monitor not included)
- » Convertible Tablet Computer with 13-inch display  
VideoRay Cockpit Control Software Included
- » Wireless Programmable Hand Controller
- » Plug and Play Modular Tether:  
75 m (250 ft) Neutrally Buoyant Standard
- » Second Externally Mountable Camera
- » 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



Externally Mountable 2nd Camera



PHOTO: MBA TANKS



## GENERAL SYSTEM

|                         |                            |
|-------------------------|----------------------------|
| Power Requirements      | 100-240 VAC                |
| Total System Weight     | 32 kg (70 lb)              |
| Cases                   | 2 Watertight Rugged Cases  |
| Owners Manual           | Hard Copy & Online Digital |
| System Tool Kit         | Basic Tool Kit             |
| Communications Protocol | RS-485                     |
| Warranty                | 2 Year Limited             |

## SUBMERSIBLE

|              |  |
|--------------|--|
| Depth Rating | 305 m (1,000 ft)   |
| Size         | 37.5, 28.9 22.3 cm (14.75, 11.4, 8.75 in)                              |
| Weight       | 6.1 kg (13.5 lb) [with Full Ballast Set]                               |
| Ballast      | (No Tools Required) Ballast System with Complete Stainless Ballast Set |

## PROPULSION (4.1 Knots Maximum Speed)

|                     |   |
|---------------------|---|
| Horizontal/Vertical | 2 Brushless/1 Brushless<br>Direct Drive/Geared<br>100 mm Propellers/65 mm Propeller |
|---------------------|---|

## CAMERA

|               |   |
|---------------|---|
| Main          | High Resolution - NTSC or PAL Format<br>Color and B&W<br>Wide Dynamic Range<br>Digital Slow Shutter<br>White Balance<br>20+ Real Time Camera Settings |
| Sensitivity   | Color Mode: .004 lux<br>B&W Mode: .0001 lux   |
| View Angle    | 90° Horizontal/140° Diagonal  |
| Vertical Tilt | 180° Control  |

## LIGHTING

|  |  |
|--|--|
| (2) LED Array with 32 Emitters<br>3,600 lumens | Beam Spread covers entire range of Main Camera |
|--|--|

## INTEGRATED SENSORS

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

## CONTROL PANEL

|              |   |
|--------------|---|
| Size         | 50.8, 37.3, 14.7 cm (20, 14.7, 5.8 in)  |
| Weight       | 9.1 kg (20 lbs)   |
| Computer     | Tablet computer with 13-inch High Resolution screen display   |
| Software     | Programmed with light version of VideoRay Cockpit Control software                                      |
| Main Display | Not available - panel does have a Video Out jack for external displays                                  |
| Controller   | Wireless USB Programmable Hand Controller   |
| Recording    | Integrated Recording (.WMV, .AVI formats)<br>One Button Hand-Controlled Video and Still Image Recording |
| Overlay      | Date, Time, Depth, Heading, Customized Text, Logo   |
| Video Out    | Digital or Analog Composite   |

## TETHER

|        |  |
|--------|--|
| Length | 75 m (250 ft) total length, Standard Neutral Buoyancy Tether |
|--------|--|

## INTEGRATED ACCESSORIES

Externally Mountable High-Resolution Color Camera with integrated LED Ring

INQUIRE WITH AN AUTHORIZED SALES REPRESENTATIVE ABOUT ADDITIONAL AVAILABLE ACCESSORIES FOR THIS ROV SYSTEM

**www.videoray.com**

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