

PRO 3 XE



System Specifications

Depth Rating	152 m (500 ft)
Total System Weight	45 kgs (100 lbs) in 2 watertight Pelican cases
Submersible Size and Weight	3.8 kgs (8.4 lbs) / 12, 9, 8.5 inches (30.5, 23, 21 cm)
Speed	2.6 knots
Power Supply	100-240 VAC

Submersible Robot

Main Camera

Location:	Front - inside the pressure hull
Features:	Forward facing wide angle color camera.
Zoom:	N/A
Resolution:	570 lines of resolution
Sensitivity:	0.3 lux
Focus:	Wide Focus Range
Type:	Specify NTSC or PAL
View Angle:	90° horizontal 140° diagonal <i>underwater optimized wide angle</i>
Tilt:	Variable tilt with 180° vertical field of view

Second Camera

Rear facing high resolution black & white 430 lines of resolution / 0.1 lux



160° Vertical Tilt, Manual Focus Hi-Res Camera

Lighting

Forward

Type:	2 X 20w Halogen Lamps
Control:	Variable Intensity

Second Camera - Rear

Type:	Ultra high intensity LED array
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External Auxiliary - Optional



Variable Intensity Halogen Lighting

Propulsion

Horizontal

Drive:	Geared
Motor:	Brushed
Propellers:	60 mm
Thrusters:	Two

Vertical

Drive:	Geared
Motor:	Brushed
Propeller:	45 mm
Thruster:	One

On-Board Sensors

Navigation: Compass (heading read out on control panel LCD)-option to overlay heading on monitor
 Depth: Reading in feet or meters on control panel LCD - option to overlay depth on video monitor

Accessories and Sensors

9 pin accessory connector allows easy field integration of various instruments, sonar, and sensors

Control Console

Comms Protocol:	RS-485 (if using with PC)
Case:	Watertight Pelican1550
Computer:	Optional
Display:	Integrated 15 inch LCD display
Video out:	Analog composite video out
Recording:	Optional Digital Recording Package (Not Included)
Video Overlay:	Option to superimpose date, time, depth, and heading information on monitor
Audio Annotation:	Microphone included (recorder required)

- Controls:
- ◆ Integrated Joystick for horizontal movement
 - ◆ 3rd Axis joystick control (selectable for depth, camera tilt, lights, and manipulator)
 - ◆ Vertical depth control with Auto Depth Feature
 - ◆ Lighting, Camera Tilt, Focus Control, and manipulator control (manipulator not included)
 - ◆ PC Pilot enabled (requires PC)
 - ◆ Front and Rear Camera toggle



Rear Camera, LED Array, Accessory Port

Tether

Type:	Neutrally Buoyant Performance Tether	Expansion:	Modular
Length:	40 m (130 ft)	Breaking Strength:	1,000 lbs
Extension:	76m (250 ft) Negative extension		
Management:	Tether Deployment System (TDS)		
Voltage:	48 volts DC - Maximum tether voltage		



Simple Controls - Integrated 15" LCD

Other Components

- ◆ Owners Manual
- ◆ Brass Ballast Weight Set
- ◆ Basic Tool Kit
- ◆ Hand Compass
- ◆ Tether Strain Relief
- ◆ System fits in two watertight Pelican cases - airline checkable

XE Accessory Package:

- Power Kit - 12 volt DC 800 watt inverter
- VideoRay PC Pilot Kit:
 - ◆ Software Cd
 - ◆ USB video capture/DVD authoring
 - ◆ Wireless game pad
 - ◆ Desktop joystick
 - ◆ Serial to USB converter and hub



152m (500 ft) Depth Rated Pro 3 XE With Optional Manipulator Arm

Warranty

Two year limited warranty covering manufacturing and component defects. Upon or after warranty expiration this warranty can be renewed annually.