

PRO 3 XE GTO



System Specifications

Depth Rating	152 m (500 ft)
Total System Weight	47 kgs (105 lbs) in 2 watertight Pelican cases
Submersible Size and Weight	4.5 kgs (10.5 lbs) / 14.5, 9, 8.5 inches (36.8, 23, 21 cm)
Speed	4.1 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



Powerful, Efficient GTO Thrusters

Propulsion

Horizontal

Drive:	Geared
Motor:	Brushed
Propellers:	100 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

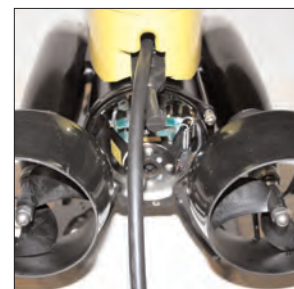
Accessories and Sensors

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 DepthFeature
 - ◆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

Warranty

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



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