



SYSTEM OVERVIEW

THE PRO 3XE Professional ROV System has been configured for ROV users who require more for commercial or demanding applications. All Pro 3 models have an open architecture that accommodates a wide variety of tools and sensors. Piloting the ROV via a PC is also possible with included PC Pilot Software (requires a PC - not necessary to operate the system). The Pro 3XE model adds an integrated 15 inch color video display and a longer tether length supplied on a Tether Deployment System (TDS) reel for easy coil and recoil of the ROV tether.



SYSTEM COMPONENTS

- Pro 3 Submersible (Front and Rear Cameras)
- Pro 3 Control Panel with 15 Inch Color Display
- Plug and Play Standard Tether:
 - 100m (330 ft) Neutrally Buoyant
- Standard Capacity Tether Deployment System
- Pelican 1620 Hard Case with Custom Packaging
- Owners Manual
- Power Inverter
- Sunshade
- Basic Tool Kit With Complete Ballast Set



PRO 3XE SPECIFICATIONS

GENERAL SYSTEM

Power Requirements	800 watts, 100-240 VAC
Total System Weight	45kgs (100 lbs.)
Cases	Two Watertight Rugged Pelican Cases
Owners Manual	Hard Copy & Online Digital
System Tool Kit	Basic Tool Kit
Warranty	2 year limited



SUBMERSIBLE

Depth Rating	152 m (500 feet)
Size	30.5, 23, 21 cm (12, 9, 8.5 inches)
Weight	3.8 kgs (8.4 lbs) Without Submersible Ballast Set
Ballast	No Tools Ballast System with Complete Brass Ballast Set

Propulsion

Horizontal	2.6 knots Maximum Speed 2 Brushed Thrusters Geared Drive 60 mm Propellers	Vertical	1 Brushed Thruster Geared 45mm Propeller
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Cameras

Main	NTSC or PAL Format Front - Fixed inside the pressure hull. Forward facing wide angle color camera - optimized for underwater use. 570 Lines of Resolution	Rear	Rear Facing High Resolution Fixed Black & White Camera High Intensity LED Array 430 Lines Resolution 0.1 lux
Sensitivity	0.3 lux		
View Angle	90° Horizontal/140° Diagonal		
Tilt	Variable Tilt with 160 Degree Vertical Field Of View		

Lighting

(2) x 20w Halogen Lamps Variable Intensity Control	Rear LED Array Around Rear Camera
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Integrated Sensors

Compass Heading Depth Gauge (Feet or Meters)

CONTROL PANEL

Size	53, 43, 22 cm (21, 17, 8.5 in)
Weight	18 kgs (40 lbs)
Computer	N/A
Main Display	15 Inch Integrated Color Display
Controller	Integrated Joystick and Depth Control Knob with Auto Depth Feature Camera Tilt, Auto Depth, Lighting Control, Camera Manual Focus, Rear Camera Toggle Third Axis Joystick Control (selectable for depth, camera tilt, lights, manipulator if available)
Recording	Recorder not included
Overlay	Toggle On/Off Date, Time, Depth, Heading
Video Out	Analog Composite
LCD Display	Depth Gauge (feet / meter interchangeable), Compass Heading, Cumulative Hour Meter

TETHER

100 m (330 feet) total length , Plug and Play Standard Tether
100 m (330 feet) Standard Neutral Tether - 10mm diameter, 454 kg (1,000 lbs) breaking strength

Management	Standard Capacity Tether Deployment System - slip ring and hand crank enclosed in a 1620 case
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INTEGRATED ACCESSORIES

Inquire with an Authorized VideoRay Sales Representative about available accessories for Pro 3 ROV Systems



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