



SYSTEM OVERVIEW

THE PRO 3E 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). Though the base Pro 3 model does not have all of the bells and whistles, it proves an excellent platform to build upon. The Pro 3E requires a user supplied video display and all components fit into a watertight, rolling Pelican case.



SYSTEM COMPONENTS

- Pro 3 Submersible (Front and Rear Cameras)
- Pro 3 Control Panel (Monitor Not Included)
- Plug and Play Performance Tether:
40m (130 ft) Neutrally Buoyant
- Pelican 1620 Hard Case with Custom Packaging
- Owners Manual
- Sunshade
- Basic Tool Kit With Complete Ballast Set



www.videoray.com

580 Wall Street Phoenixville, PA 19460 USA
 phone: +1 (610) 458-3000 fax: +1 (610) 458-3010 email: info@videoray.com

PRO 3E SPECIFICATIONS

GENERAL SYSTEM

Power Requirements	800 watts, 100-240 VAC
Total System Weight	40 kgs (90 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	16 kgs (35 lbs)
Computer	N/A
Main Display	User Supplied Display Required - 15 Inch Display Available as an Option
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

40 m (130 ft) total length , Plug and Play Performance Tether 40m Professional Performance Neutral Tether - 8mm diameter, 454 kg (1,000 lbs) breaking strength
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Management	Available as an upgrade or on the Pro 3 XE
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INTEGRATED ACCESSORIES

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



VIDEORAY LLC
580 Wall Street
Phoenixville, PA 19460
United States of America
www.videoray.com