



SYSTEM OVERVIEW

THE PRO 3GTO LX Professional ROV System has been configured for ROV users who require much more power for commercial or demanding applications. The Pro 3 GTO LX sports all the features of the top of the line Pro 3 GTO including the GTO (Greater Thrust Option) thrusters which propel the VideoRay to speeds up to 4.1 knots while adding a daylight viewable High Bright 15 Inch Video Display and additional tether length on an Extended Capacity. The Pro 3 GTO LX can also accommodate the popular BlueView P Series Imaging Sonars for added capability in low visibility environments.



SYSTEM COMPONENTS

Pro 3 GTO Submersible (Front & Rear Cameras)
Pro 3 Control Panel with 15 Inch High Bright Daylight Viewable Monitor
Plug and Play Modular Tether:
100m (330 ft) Neutrally Buoyant
75m (250 ft) Negative Extension
Extended Capacity Tether Deployment System
Pelican 1620 Hard Case with Custom Packaging
Owners Manual
Power Inverter
Sunshade
Basic Tool Kit With Complete Ballast Set
Pro 3 Advanced ROV Maintenance Kit



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PRO 3 GTO LX SPECIFICATIONS

GENERAL SYSTEM

Power Requirements	800 watts, 100-240 VAC
Total System Weight	47kgs (105 lbs.)
Cases	Two Watertight Rugged Pelican Cases (plus Maintenance Kit)
Owners Manual	Hard Copy & Online Digital
System Tool Kit	Basic Tool Kit
Warranty	2 year limited

SUBMERSIBLE

Depth Rating	152 m (500 feet)
Size	36.8, 23, 21 cm (14.5, 9, 8.5 inches)
Weight	4.5 kgs (10.5 lbs) Without Submersible Ballast Set
Ballast	No Tools Ballast System with Complete Brass Ballast Set

Propulsion

Horizontal	4.1 knots Maximum Speed 2 Brushed Thrusters Geared Drive 100 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 Daylight Viewable High Bright Video 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

175 m (580 feet) total length , Plug and Play Modular Tether
100 m (330 feet) Standard Neutral Tether - 10mm diameter, 454 kg (1,000 lbs) breaking strength
75 m (250 feet) Negative Bouyancy Extension - 8mm diameter, 454 kg (1,000 lbs) breaking strength

Management	Extended 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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