

MILITARY CONFIGURATION

# PRO 4 MIL 300R

**THE PRO 4** MIL 300R (Rugged) Military ROV System has been specifically configured for Military, Government, and Force Protection personnel to quickly and effectively perform a variety of underwater inspection tasks in rugged environments where gear takes a beating. The included crawler attachment allows the VideoRay to latch on to ship hulls in high current conditions for stable video inspections. The submersible has a special CERAKOTE finish which makes it impervious to extremely harsh water conditions.

All Military ROV configurations also include a manipulator arm attachment and an external camera. The Rugged system is delivered with imaging sonar-ready hardware (sonar not included).



## SYSTEM COMPONENTS

- » Pro 4 ROV Submersible with CERAKOTE finish
- » Pro 4 Control Panel with High Bright Monitor
- » Wireless Programmable Hand Controller
- » Rugged Programmable Hand Controller
- » Tether Bag
- » Plug and Play Modular Tether:
  - 40 m (130 ft) of Professional Performance Tether
- » Hull Crawler Attachment
- » Manipulator Arm with ROV Mounts
- » External Camera
- » Sonar-Ready hardware included (Sonar not included)
- » Pelican 1620 Hard Case with Custom Packaging
- » Basic Tool Kit with Complete Ballast Set
- » Owners Manual
- » Sunshade
- » Three (3) Days of Open Enrollment Training



PHOTO: MARCUS KOLB



## GENERAL SYSTEM

Power Requirements	100-240 VAC
Total System Weight	63 kg (139 lb)
Cases	3 Watertight Rugged Pelican Cases
Owners Manual	Hard Copy & Online Digital
System Tool Kit	Basic Tool Kit
Communications Protocol	RS-485
Warranty	2 Year Limited

## SUBMERSIBLE

Depth Rating	305 m (1,000 ft)
Size	37.5, 28.9 22.3 cm (14.75, 11.4, 8.75 in)
Weight	6.1 kg (13.5 lb) [with Full Ballast Set]
Ballast	(No Tools Required) Ballast System with Complete Stainless Ballast Set

## PROPULSION (4.2 Knots Maximum Speed)

Horizontal/Vertical	2 Brushless/1 Brushless Direct Drive/Geared 100 mm Propellers/65 mm Propeller
---------------------	---

## CAMERA

Main	High Resolution - NTSC or PAL Format Color and B&W Wide Dynamic Range Digital Slow Shutter White Balance 20+ Real Time Camera Settings
Sensitivity	Color Mode: .004 lux B&W Mode: .0001 lux
View Angle	90° Horizontal/140° Diagonal
Vertical Tilt	180° Control

## LIGHTING

(2) LED Array with 32 Emitters 3,600 lumens	Beam Spread covers entire range of Main Camera
--	--

## INTEGRATED SENSORS

3D-Tilt Compensated Compass	Leak Indicator	Volt Meter
Accelerometer	Water Temperature	Depth Sensor
MEMS Gyro	Internal Temperature	

## CONTROL PANEL

Size	53, 43, 22 cm (21, 17, 8.5 in)
Weight	16 kg (35 lb)
Main Display	15-Inch Control Panel Integrated Daylight Viewable High Bright Monitor
Controller	Wireless USB Programmable Hand Controller Rugged Programmable Hand Controller
Recording	Integrated Recording (.WMV, .AVI formats) One Button Hand-Controlled Video and Still Image Recording
Overlay	Date, Time, Depth, Heading, Customized Text, Logo
Video Out	Digital or Analog Composite

## TETHER

Length	40 m Professional Performance Neutral Tether 8 mm diameter 454 kg (1,000 lb) breaking strength
Management	Available as an Option

## INTEGRATED ACCESSORIES

No tools required Hull Crawler attachment - on or off in seconds  
Sonar Ready Hardware Included (Sonar Not Included)  
Single Axis Manipulator Arm  
Auxiliary externally mountable camera

INQUIRE WITH AN AUTHORIZED SALES REPRESENTATIVE ABOUT ADDITIONAL AVAILABLE ACCESSORIES FOR THIS ROV SYSTEM

[www.videoray.com](http://www.videoray.com)

212 East High Street, Pottstown, PA 19464

+1 610 458 3000 [sales@videoray.com](mailto:sales@videoray.com)

© 2013 VideoRay LLC, VideoRay is a Registered Trademark of VideoRay LLC