

OIL AND GAS CONFIGURATION

PRO 4 OG 300SPR

THE PRO 4 OG 300SPR Offshore ROV System has been specifically configured for advanced Oil & Gas production, discovery, and service organization operations to quickly and effectively perform a variety of advanced underwater target location and inspection tasks. With additions of longer tether lengths, High Resolution Imaging sonar for target identification and navigation, Acoustic ROV Positioning, stocked P4 Maintenance Parts, Tool Kits, and spare ROV sub, a day viewable High-Bright Monitor with video enhancement, and a Manipulator Arm, this system is the total package with everything needed to get the job done.



SYSTEM COMPONENTS

- » Pro 4 ROV Submersible & Spare Sub (2 Total)
- » Pro 4 Control Panel with 15-inch High Bright Monitor
- » Standard Computer with 15-inch display
VideoRay Cockpit Control Software Included
- » Pro 4 Dell Mount
- » Wireless Programmable Hand Controller
- » Rugged Programmable Hand Controller
- » Extra Capacity Tether Deployment System
- » Plug and Play Modular Tether:
 - 152 m (500 ft) Neutrally Buoyant Performance
 - 200 m (660 ft) Negatively Buoyant
- » BlueView P900-90 High Res Imaging Sonar
- » Tritech MicroNav Acoustic Positioning System
- » LYYN Real Time Video Enhancement
- » PRO 4 Manipulator Arm with Sonar Mounts
- » Pelican 1620 Hard Case with Custom Packaging
- » Pelican 0450 Tool Chest
- » Pro 4 Maintenance Kit
- » Sunshade
- » Owners Manual
- » Five (5) Days of Open Enrollment Training for two (2) People



PHOTO: STEVE VAN METER



GENERAL SYSTEM

Power Requirements	100-240 VAC
Total System Weight	71.2 kg (157 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 100mm Propellers/65mm Propeller
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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
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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)
Computer	Standard computer with 15-inch High Resolution screen display
Software	Programmed with complete suite of VideoRay Cockpit Control software
Main Display	15-Inch Control Panel Integrated Daylight Viewable High Bright Monitor
Controller	Rugged USB Programmable Hand Controller and Wireless USB 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	352 m (1,160 ft) total length, Modular Plug and Play Tether segments including: -152 m (500 ft) Performance Neutral Buoyancy Tether 10 mm diameter, 454 kg (1,000 lb) breaking strength -200 m (660 ft) Extension Negative Buoyancy Tether 8 mm diameter, 454 kg (1,000 lbs) breaking strength
Management	Extra Capacity Tether Deployment System Enclosed in a Pelican 1620 Case with slip ring

INTEGRATED ACCESSORIES

BlueView P900-90 (90° Field Of View) High Resolution Imaging Sonar with Integration and Software
Tritech MicronNav USBL Positioning System with Integration and Software
LYYN Real Time Video Enhancement
Single Axis Manipulator Arm

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