



P4 CD 300XSV



ADVANCED CONFIGURATION OVERVIEW

THE P4 CD 300XSV Commercial Dive ROV System has been specifically configured for advanced dive operations to quickly and effectively perform a variety of underwater target location and inspection tasks. With the addition of longer tether lengths, scanning sonar for large structure or target identification and navigation, Real Time video enhancement, a stocked P4 Maintenance Parts Kit, a daylight viewable High Bright Monitor, and a Manipulator Arm, this system is the total package and can operate in low visibility water where divers would be ineffective or in danger.



ADVANCED SYSTEM COMPONENTS

- P4 ROV Submersible
- P4 Control Panel with 15 inch High Bright Monitor
- Standard Computer With 15 Inch Display
- VideoRay Cockpit Control Software Included
- Wireless Programmable Hand Controller
- Rugged Programmable Hand Controller
- Plug and Play Modular Tether:
 - 100m (330 ft) Neutrally Buoyant
 - 76m (250 ft) Negatively Buoyant
- Extra Capacity Tether Deployment System
- P4 Manipulator Arm with Mounts
- LYYN Real Time Video Enhancement
- SeaSprite Scanning Sonar with P4 Integration
- P4 ROV Maintenance Kit and Basic Tool Kit
- Pelican 1620 Hard Case with Custom Packaging
- Three (3) Days of Open Enrollment Training



www.videoray.com

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

P4 CD 300XSV SPECIFICATIONS

GENERAL SYSTEM

Power Requirements	800 watts, 100-240 VAC
Total System Weight	76.7 kgs (169.2 lbs)
Cases	Three Watertight Rugged Pelican Cases (plus Maintenance Kit)
Owners Manual	Hard Copy & Online Digital
System Tool Kit	Basic Tool Kit and P4 Maintenance Kit
Communications Protocol	RS485
Warranty	2 year limited

SUBMERSIBLE

Depth Rating	305m (1,000 feet)
Size	37.5, 28.9, 22.3 cm (14.75, 11.4, 8.75 in)
Weight	6.1 kgs (13.5 lbs) With Full Ballast Set
Ballast	No Tools Ballast System with Complete Brass Ballast Set

Propulsion

Horizontal	4.2 Knots Maximum Speed	Vertical	1 Brushless Geared 65mm Propeller
	2 Brushless Direct drive 100mm Propellers		

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
Tilt	160° Servo Control

Lighting

(2) LED Array with 24 Emitters 3,600 lumens	Beam Spread Covers Entire Range of Main Camera
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Integrated Sensors

3D-Tilt Compensated Compass Accelerometer MEMS Gyro	Leak Indicator Water Temperature Internal Temperature	Operating Volt Meter
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CONTROL PANEL

Size	53, 43, 22 cm (21,17, 8.5 in)
Weight	16 kgs (35 lbs)
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 format) One Button Hand Controller Video and Still Image Recording
Overlay	Date, Time, Depth, Heading, Customized Text, Logo
Video Out	Digital or Analog Composite

TETHER

176 m (580 ft) total length , Modular Plug and Play Tether:	
100m (330 ft) Standard Neutral Buoyancy Tether - 10mm diameter, 454 kg (1,000 lbs) breaking strength	
76m (250 ft) Extension Negative Buoyancy Tether - 8mm diameter, 454 kg (1,000 lbs) breaking strength	
Management	Extended Capacity Tether Deployment System Enclosed in a Pelican 1620 Case with slip ring

INTEGRATED ACCESSORIES

SeaSprite Scanning Sonar with Integration and Software
LYYN Real Time Video Enhancement Feature
Single Axis Manipulator Arm

Inquire with an Authorized Sales Representative About Available Accessories For This ROV System



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