

SCIENCE & RESEARCH CONFIGURATION

# PRO 4 SCI 300XT



## CONFIGURATION COMPONENTS

**THE PRO 4 SCI 300XT** has been specifically configured for Scientific & Research Operations to quickly and effectively perform a variety of advanced inspection and observation tasks. It is delivered with the main components – Submersible, Control Panel, and Tether and includes a LYNN Hawk Real Time Video Enhancement feature for lower visibility environments, a SeaSprite Scanning Sonar for target location, a MicronNav USBL Positioning System, and an integrated Echosounder. This system is also delivered standard with 190 m (630 ft) total of modular tether segments for deep exploration, a tether management system, and a manipulator arm.

**Depth Rating: 305 m (1,000 ft)**  
**Maximum Speed: 4.2 Knots**



- Pro 4 ROV Submersible
- Pro 4 Professional ICB
- Integrated Toughbook Computer
- Rugged Hand Controller
- Fixed Second Camera
- LYYN Video Enhancement Technology
- MicronNav USBL Positioning System
- Tritech Echosounder
- SeaSprite Scanning Sonar
- Manipulator
- Plug and Play Modular Tether
  - 75m (250 ft) Neutral Buoyancy
  - 75m (250 ft) Negative Extension
  - 40m (130 ft) Neutral Buoyancy Performance
- Extended Tether Deployment System
- Training - Service Agreement

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

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# SPECIFICATIONS



## SYSTEM

Total System Weight	47 kgs (105 lbs)
Cases	3 watertight, rugged cases
Owners Manual	Hard copy and digital
System Tool Kit	Basic tool kit and spares
Communications Protocol	RS485
Warranty	2 year limited

## SUBMERSIBLE

Depth Rating	305m (1,000 feet)
Size	36.8, 29.2, 22.2 cm (14.5, 8.5, 9 in)
Weight	4.5 kgs (10.5 lbs)
Ballast	Tool-less ballast system with complete ballast set

## Propulsion

Horizontal	4.2 knots 2 brushless Direct drive 100mm propellers	Vertical	1 brushless Geared 65mm propeller
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## Camera

Main	High resolution NTSC or PAL Color and B&W Wide Dynamic Range Digital slow shutter White balance 20+ Real time camera settings	Second	High resolution NTSC or PAL Color 3.6mm fixed lens Color .1 lux 90° horizontal/140° diagonal Fixed, adjusted manually
Sensitivity	Color mode: .004 lux B&W mode: .0001 lux	Sensitivity	Color .1 lux
View Angle	90° horizontal/140° diagonal	View Angle	90° horizontal/140° diagonal
Tilt	180° servo control	Tilt	Fixed, adjusted manually

## Lighting

LED array with 24 emitters - Expandable  
3,600 lumens (5,760 max)

## Sensors

3D-tilt Compensated Compass	Leak Indicator
Accelerometer	Water temperature
MEMS Gyro	Internal temperature

## CONTROL CONSOLE

Size	53, 43, 22 cm (21,17, 8.5 in)
Weight	16 kgs (35 lbs)
Computer	Toughbook MIL-STD-810/IP54 with 10.5 inch touch screen display
Main Display	15 inch (shared desktop with computer display)
Controller	12 Button Professional Joystick (also delivered with wireless Logitech Wingman controller)
Recording	Integrated Recording (.WMV, .MPG format) One button hand controller recording
Overaly	Date, Time, Depth, Heading, Customized Text, Logo
Video Out	Digital or analog composite

## TETHER

190m (630 ft) **total length**, modular plug and play tether  
75m Standard Neutral Buoyancy Tether - 10mm diameter, 454 kg (1,000 lbs) breaking strength  
75m Extension Negative Buoyancy Tether - 8mm diameter, 454 kg (1,000 lbs) breaking strength  
40m Professional Performance Tether - 8mm diameter, 454 kg (1,000 lbs) breaking strength

Management Extended Tether Deployment System

## INTEGRATED ACCESSORIES

Manipulator	Single Axis
Enhancement	LYYN Hawk Real Time Video Enhancement
Sonar	SeaSprite Scanning Sonar
Positioning	MicronNav USBL Acoustic Positioning System
Depth Sensing	Tritech Echosounder

## TRAINING

5 Day Standard Training - 2 Seats

## SERVICE

2 Year Service Agreement\*  
\*Maximum 20 Hours

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