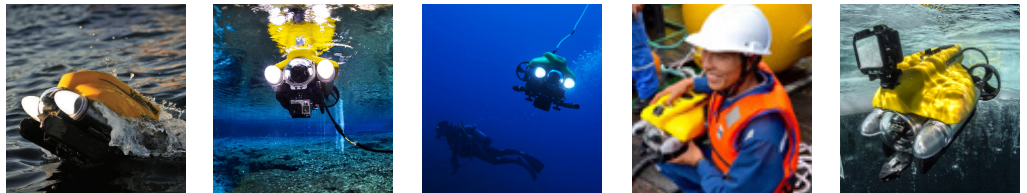# VideoRay

Product Data Sheet
Pro 4 Ultra

The **Pro 4 Ultra** Remotely Operated Vehicle (ROV) System has been specifically configured for operations requiring Pro 4 performance in an ultra portable package. The Ultra features a drastic reduction in control panel weight - about 40% lighter than their Pro 4 configurations.

The Pro 4 Ultra system includes a standard Pro 4 submersible, a control panel with a lightweight laptop computer loaded with a Lite version of VideoRay Cockpit control software, and a wired USB Logitech hand controller.

The Ultra configuration is limited to small, lightweight VideoRay accessories such as the manipulator (not included). It will not run sonar or any complex accessory components. The user must also select a tether configuration for this system.

SYSTEM INFORMATION

Depth Rating	305m (1,000 ft)
System Weight	27.5 kg (60.5lbs)
Communications Protocol	RS-485
Cases	2 Watertight Rugged Hard Cases
Owners Manual	Hard Copy and Online/Onboard Digital
Tool Kit	Basic Tool Kit
Warranty	2 Year Limited
Additional	Sunshade

SUBMERSIBLE

Length	37.5cm (14.75in)
Width	28.9cm (11.4in)
Height	22.3cm (8.75in)
Weight	6.1kg (13.5lb) [with Full Ballast Set]
Ballast	Ballast System with Complete Stainless Ballast Set

Propulsion

Configuration	3 thrusters (2 horizontal/1 vertical)
Motor Type	Brushless
Thrust	21lbs
Speed	4.2 knots
Propeller	100mm Propellers/65mm Propeller

Lighting

Type	Optimized LED Arrays
Number of Sources	2
Camera Coverage	Forward-looking Vertical Beam Spread covers entire range of Main Camera
Lumens	3,600 lumens per light (7,200 total)

Integrated Sensors

3D Accelerometer
3D Tilt Compensated Compass
Leak Indicator
Internal Temperature
Depth Sensor
3D MEMS Gyro
Water Temperature
System Voltage

Camera

Main	High Resolution - NTSC Format Color or Black & White (switchable) Wide Dynamic Range Digital Slow Shutter White Balance 20+ Real Time Camera Settings
Sensitivity	
Color Mode	0.004 Lux
B&W Mode	0.0001 Lux DSS
View Angle	90° Horizontal 140° Diagonal
Vertical Tilt	180° Control

CONTROL PANEL

Power Requirements	100-240 VAC
Length	50.8cm (20in)
Width	37.3cm (14.7in)
Height	14.7cm (5.8in)
Weight	8.4kg (18.5lb)
Computer	Dell with latest Intel I5 Quad Core, 8gb ram, 256 GB SSD
Software	Lite version of VideoRay Cockpit control software
Main Display	15.6" PC screen
Controller	Wired USB Logitech Hand Controller Wireless Optional
Recording	Integrated Recording (.WMV, .AVI) One Button Hand-Controlled Video and Still-Image Recording
Overlay	Date, Time, Depth, Heading
Video Out	Digital

TETHER

Neutral Performance	Neutral bouyancy, smaller diameter
Standard Neutral	Neutral bouyancy
Negative Extension	Negative bouyancy

VideoRay tether is plug and play; the type and length are selected based on how you plan to use the ROV system. See above options and select.