

System Components

VideoRay Submersible Robot

Camera

Forward facing wide angle color camera
570 lines of resolution and 0.3 lux
Variable control tilt with 180 degree vertical field of view
Wide focus range
NTSC or PAL

Rear facing black & white camera – 430 lines 0.1 lux

Lighting

Forward - Two 20 watt high efficiency halogen lights
Rear - Ultra high-intensity LED light array

Propulsion

Horizontal - Two easy to maintain GTO thrusters with 100 mm propellers producing 15 lbs. of thrust
Vertical - One thruster with

Accessories and Sensors

Accessory connector allows field connection of various instruments and sensors

Control Console

Display

15" integrated video display
Video display tilt adjustment for optimal viewing angle
LCD depth gauge display
LCD compass with heading display
LCD cumulative hour meter display
Composite video output
Option to superimpose date, time, depth, and heading information on video display
Audio annotation microphone for simultaneous recording (*video recorder required*)

Controls

Joystick controls for horizontal movement and third axis controls
Third axis joystick control (selectable for depth, camera tilt, lights, and manipulator)
Vertical depth control with Auto Depth
Lighting control
Camera tilt and focus controls
Front and rear camera toggle
Manipulator control (if installed)
PC Pilot computer control option is enabled (requires a PC)

Tether

Tether Deployment System with 76 m (250 ft) of neutrally buoyant tether with an extension of 40 m (131 ft.) Professional Performance Tether
Maximum voltage in tether is 48 volts DC

Other Components

Owners Manual	XE Accessory Package
Brass Ballast Weight Set	Power Kit
Calibration Tool	12 Volt DC 800 Watt inverter
Spare Parts	VideoRay PC Pilot Kit
Basic Tool Kit	VideoRay PC Pilot Software CD
Compass	USB Video Capture / DVD Authoring
Additional modular flotation	Wireless Game Pad
Tether Strain Relief	Desktop Joystick
The system fits into two water-tight Pelican cases and is airline checkable	Serial to USB converter
	USB Hub

Warranty

One year comprehensive support and maintenance program covering manufacturing and component defects, operational accidents, regular maintenance and replacement parts. This warranty can be renewed annually.

Depth Rating	152 m (500 ft.)
Total System Weight	47 kgs (105 lbs.)
Speed	4.1 knots
Price	\$27,490 (US dollars)

Recommended Uses

Search & Recovery
Accident and CSI
Port & Waterway Security
Advanced Inland Inspections
Advanced Potable Water Tank Inspections
Offshore Survey & Inspections
Science & Research
Film Production
Advanced Aquaculture Operations
Wreck Surveys



For more information visit:
www.videoray.com/products

Contact VideoRay or your local dealer for pricing outside the US, for other video standards, and for CE marked versions.
Prices and product specifications are subject to change without notice.