



Deep Blue



product information

System Components

VideoRay Submersible Robot

Camera

Forward facing wide angle color camera – 570 lines 0.3 lux
Variable control tilt with 180 degree vertical field of view
Wide focus range
NTSC unless otherwise specified
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–15 lbs thrust
Vertical - One thruster

Accessories and Sensors

Professional Performance Battery
Accessory connector allows field connection of various instruments and sensors purchased separately

Control Console

Display

15" integrated video display
Video display tilt adjustment for optimal viewing angle
LCD depth gauge display (ft/m interchangeable)
LCD compass with heading display
LCD cumulative hour meter display
Composite video output
User option to superimpose date, time, depth, and heading information on video display
Audio annotation microphone for simultaneous recording of audio with video

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

Extended Capacity Tether Deployment System with 305 m (1000 ft) of negatively buoyant tether and 40 m (130 ft) of 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	305 m (1000 ft.)
Total System Weight	81 kgs (180 lbs.)
Speed	4.1 knots

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

