



ROV Predator



Built by marine engineers with practical, hands-on field experience, the Predator Inspection class ROV (Remotely Operated Vehicle) has been designed to function in all market sectors around the world including Oil & Gas, Military, Fisheries, Inshore Survey, Scientific Research, Telecommunications and Energy. Compact and portable, the Predator is easy to deploy, easy to use, and easy to maintain. The Predator is manufactured, brought to market, and supported by the ROV engineers and operators at SBSS, located in Shanghai.

The Predator, a 300m rated inspection class ROV has been developed to meet the ever demanding markets for rugged and reliable underwater viewing systems. The ROV uses the latest high reliability technology designs for maximum operating efficiency in marine operations. Reliability has always been foremost in the development of the ROV package, and with the inclusion of a network control system and a comprehensive diagnostics system, the functional design will assure continuous performance in all operations.

ROV System Specification	
Length	900mm
Width	620mm
Height	450mm
Mass in air	65KG
Depth rating	300m (Standard) 1000m (Optional)
Payload	Approx. 10kg
Thrusters	Horizontal thrusters layout 4 Thrusters in vector formation Vertical thrusters layout 1 Vertical thruster
Forward speed	3.0 knots (0 knots current)
Turning rate	Approx. 120 degrees/sec
Tether	Approx. 14mm diameter multi-core up to 450m length diameter
ROV power requirements	3kw @ 400VDC
Camera	Two (2) cameras – simultaneous operation - Up to four (4) camera selection Colour zoom camera selection - Fixed focus colour camera (optional) Low light black/white (optional) - HD colour zoom (optional)

Hand Controller	
Main thrusters	3 Axis ROV control joystick c/w top switch
Vertical thrusters	Control dial c/w top switch
Interface controls	Camera selection function 3 x ROV light intensity control dials power function Auto heading and depth functions 2 x Aux functions 2 x Accessory functions

Surface Controller

PC Based control system

Integrated monitor

Surface power unit c/w GFI and LIM

Software Interface c/w

Full system diagnostics page

System configuration page

Main / Secondary ROV interface page

Options include

Sonar

Various additional cameras

Additional lighting

Laser scaling

Altimeter

Manipulators and many more...

After sale service

Repair, Training, Spare, software update