

PANTHER PLUS

TECHNICAL SPECIFICATION



DeepTech

Part of the MCS Group
deeptechoilservices.com

SYSTEM SUMMARY

Seaeeye Panther Plus is a light weight work class ROV & an evolution of the Seaeeye Panther to provide greater power, payload & interface options. Forward thrust has been doubled to an impressive 220 kg and lateral thrust increased from 85 kg to 170 kg with a relatively small increase of the vehicle's in air weight to 500 kg. Payload has been increased to 105 kg.



TRUSTED

The modular, polypropylene chassis is extremely rugged, totally maintenance free, non-corroding and self-supporting in seawater.



PRECISE

It features brushless DC thrusters which, as well as having the greatest power density, have integrated drive electronics with velocity feedback for precise and rapid thrust control.



CONTROL

The systems' 16 bit digital system providing easy interfacing to ancillary equipment by the operator.

TECHNICAL OVERVIEW

Max operating depth: 1000 msw

220 kg forward thrust (bollard pull)

170 kg lateral thrust

Weighing only 500 kg in air

105 kg payload

10 brushless DC thrusters with velocity feedback for superior control

Thruster power supplies split into 2 separate channels for redundancy

Auto heading and depth with auto altitude option

Tritech Super Seaking DST Sonar

Seaeeye SM5 brushless DC Motors - 8 x Vectored horizontal, - 2 x Vertical

Two hydraulic manipulator interfaces

12 function hydraulic solenoid valve pack

Electrical pan and tilt unit

Dual channel variable intensity lights, individually fused, 4 X 150 Watts

Interface for survey sensors

4 simultaneous video channels

Integral video overlay system

TYPICAL PANTHER APPLICATIONS INCLUDE:

Pre and post lay pipeline surveys

Touch down monitoring

Cable installation

Drill support

IRM

NDT inspections

Salvage operations including torpedo recover and support of distressed submarines with emergency life support pods

SPECIFICATIONS:

Maximum working depth	1000 msw
Length	1750 mm
Height	1220 mm
Width	1060 mm
Thrust Forward	220 kg
Thrust Lateral	170 kg
Thrust Vertical	75 kg
Weight	500 kg
Payload	105 kg

TETHER MANAGEMENT SYSTEM

The economical Type 3 TMS is a rugged all steel, side entry system using a tether cable bailing arm technique to eliminate underwater slip rings. The vehicle is secured within the TMS by a hydrostatic device for launch and recovery. The vehicle can be easily maneuvered into the TMS either forwards or backwards. Tether cable capacity is 200 meters.

Specialist configurations to suit client requirements.

Technical training program

Focus/Zoom TV camera interface

SIT and color cameras.

2.5kw 3 phase AC outlet

Survey Suites.

CP probe. (Contact or proximity.)

Sonar systems.

Dual Manipulator system.

Tracking systems.

Pipe & Cable tracking equipment.

Inspection suites.

TMS Camera & Light

Launch & deployment system. (Zoned & unzoned.)

ROV Control cabin. (Zoned & unzoned.)

*All of our ROVs can be customized and integrated with the MCS product-line including the 3D Photo Realistic Cloud (3D PRC) and the Platform and Pipeline Commander systems for fast and accurate data which is easy to access and share.



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