

# SEAEYE LYNX

OBSERVATION CLASS ROV



## OVERVIEW

- 1500M Depth Rating
- Height adjustable garage type TMS with up to 250m tether
- 4x horizontal vectored and 2x vertical thruster configuration
- 35kg payload with diverse skid options
- 66kg thrust forward and 43kgf thrust vertically
- Integrated LARS skid with reduced deck fo

# REVER OBSERVATION CLASS ROV

The Seaeeye Lynx are widely regarded as the leading observation and inspection class vehicles within the oil and gas industry. Increasingly they are also being taken up as the ROV of choice by military and scientific customers seeking increased capabilities in deep water.

With a depth rating of 1500m, the Lynx has a very stable platform and is able to perform well in strong currents and under the harshest conditions, providing excellent handling and maneuverability.

The open frame construction and generous payload, offer the possibility of adding a wide range of tools and sensors as well as interchangeable tool skids.

## ROV SPECIFICATION

Depth Rating	1500 msw
Length	1500mm
Width	815mm
Height	605mm
Launch Weight	200kg
Payload	34kg
Forward Speed	3 knots
Thrust Forward	66 kgf
Thrust Lateral	47 kgf
Thrust Vertical	43 kgf

## ROV STANDARD EQUIPMENT

- 4X SM4 250V DC horizontal vectored thrusters
- 2x SM4 250V DC vertical thrusters
- Magneto-resistive compass and solid state sensor
- Fibre optic multiplexers
- +/-90° Tilt platform with 2x cameras fitted
- 600 Watts of lighting
- LED lamps
- Wide range of tooling skids
- Tritech Super Seaking DST Sonar - Arc Net

## SURFACE CONTROL UNIT

The surface control system provides:

- AC and DC supply switching control
- DC current and voltage indication
- Control of video and video overlay
- A keypad for system configuration
- Plugs and sockets for system connections and interfaces for ancillary equipment
- ROV control system (via hand control unit)
- TMS control system (via SCU or foot switches)

## MONITORS AND VIDEO OVERLAY

The Seaeeye Lynx comes with suitably sized rack or wall mounted monitors displaying the video signal from the cameras and the following overlay data:

- Heading
- Analogue compass rose
- Depth
- Tilt position
- Date and time
- Free text from keyboard
- TMS bail count (if applicable)

- CP probe reading (if fitted)
- Vehicle turns count
- Leak and vacuum alarms
- 1 string of live data, e.g. altitude or latitude/longitude (optional)

## TMS SPECIFICATION

Seaeeye	Type 8 TMS
Operating conditions	Up to and including Sea State 6
Depth rating	1500m
Height	1833mm
Width	1490mm
Depth	1795mm
Weight in air	1075 Kg (without ROV)
Telemetry	Singlemode fiber - RS232 -Gigabit
Ethernet	
Lighting	1x 150 W

## A-FRAME LAUNCH AND RECOVERY SYSTEM

Type	Fully integrated launch & recovery skid incorporating hydraulically powered
A-Frame	
Manufacturer	Tech-Safe Systems
Safe working load	4400 Kg
Deployed reach	3m
Footprint skid (base)	6100mm x 2400mm
Height	7100mm (max)
Weight (Gross)	16800 Kg
Umbilical length	1500m
Braking	Sprung off for safety

## CONTROL VAN

Overall dims (l x w x h)	4900mm x 2400mm x 2800mm
Weight	10000 Kg
Pilot control	Control desk panel with video wall
Incoming supplies	380 / 480 VAC

## STORES CONTAINER

Overall dims (l x w x h)	1950mm x 2690mm x 2640mm
Weight	2500Kg

## OPTIONAL ROV TOOLING SKIDS

The Seaeeye Lynx is capable of fitting a diverse range of tooling skids.

The skids are fitted to the underside of the ROV and the TMS garage height is adjusted to suit. The range of tooling skids, but not limited to, are listed below:

- 5 function manipulator skid
- Water jetting tooling skid
- Flooded member detection (FMD) orientation skid

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