



# FUGRO SEAEYE LYNX

**The “big brother” of the highly successful Seaeeye Tiger, the Seaeeye Lynx was designed to meet the needs of both the deep water inspection and platform inspection markets.**

Retaining the exceptional manoeuvrability and power/size ratio for which the Tiger became renowned, the Lynx builds on this reputation with increased vertical thrust; twice as much fully-dimmable LED lighting and an advanced fibre-optic communication system for transmitting video and data.

Offering simultaneous transmission of 3 high quality video channels, and High Definition video upon request, whilst also supporting a range of data communication protocols, the Lynx ensures a flexible platform for modern image and data acquisition in a compact form.

Fugro’s fleet of Lynx ROV systems are configured with deployment systems enabling operations to be undertaken to the full 1500msw vehicle depth rating.

Optional underslung work skids are available to provide a 4/5-function manipulator as well as a range of small capacity hydraulic tools.



*4 x dimmable LED lamps provide superior lighting to suit a range of subsea tasks.*



*Adaptable mounting points allow the installation of a wide range of surveillance equipment and tooling.*



# SEAEYE LYNX

## Technical Specifications

### Vehicle Dimensions

Length	1.23m
Height	0.605m
Width	0.815m
Weight	200kg
Depth Rating	1500msw
Payload	34kg
Thrusters	6 x Seaeye SM4 Brushless DC motors configured as 4 x Vectored horizontal and 2 x vertical
Chassis type	Open frame constructed from polypropylene with stainless steel reinforcement
Buoyancy	Syntactic PVC foam

### Performance

Fore/aft	66 kgf
Lateral	47 kgf
Vertical	43 kgf

### Speed

Fore/aft	3.0 knots
Lateral	3.0 knots

### Power

380-480Vac 50/60hz, 60KVA nominal

### Standard Equipment

Video Channels	3 simultaneous Video Channels + 1 switchable
Cameras	1 x lowlight monochrome, 1 x colour 1 x colour tooling
Tilt Unit	Electrical Tilt unit $\pm 90$ degrees
Lighting	4 x dimmable LED (2 mounted under tilt unit)
Sonar	Kongsberg 1071/1171
Compass	Flux-gate with solid-state rate stabilisation sensor Accuracy $\pm 1^\circ$ , Resolution 0.35°
Depth gauge	Electronic pressure sensor Accuracy $\pm 0.1\%$
Auto Pilot	Auto Depth and Auto Heading
Other Options	Digital Stills Camera, CP System, FMD, minibeacon, UT system Leak Detection System 10/100 Ethernet 1 x High-Definition Video Tritech Gemini Sonar, Blueview Sonar

### Tether

Type	Thermoplastic Polyester (TP)
Diameter	17.5mm
Length	150m; 200m or 250m depending on TMS used
Weight in water	Neutral
Weight in air	352kg/km

### Tether Management System (TMS)

Seaeye Marine garage Type 2; 4; 5 or 8 TMS with excursion ranges from 150m to 250m dependant on TMS type and project requirement.

### Control Container

Dimensions:	(Typical)
Length	4.6m
Width	2.4m
Height	2.6m
Weight	10 Te
Classification	DNV 2.7-1 / EN 12079
Equipment Fit	Zone 2
Transformers	1 x isolation for ROV 1 x domestic supplies
ROV Control Unit	Rack mounted control system with ROV Hand Controller
Sonar Processor	Rack mounted PC-based
Video System	6 x Monitors 2 x HDD-DVD recorders Optional DVR system Optional HD Video suite
Video Overlay	Date, time, heading, depth, tilt angle, autofunctions, turns counter, CP

### Launch and Recovery System (typical)

Dimensions	3.8m (L) x 2.6m (W) x 2.5m (H)
Weight	11 tonnes
Weather Limits	Seastate 6
Classification	EN 12079, Zone 2, Lloyds Register CLAME
Power Pack	Electric Power 380-480vAC, 50/60Hz

### Tooling Skid / Packages

Tooling Skid Options comprising, 5F Manipulator Skid, FMD Orientation Skid, Cleaning Brush Skid, Cable cutting Skid and High Pressure Water Jetting Skid.

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