

# SeaKing Towfish

## Side Scan Sonar



The SeaKing Towfish is an extremely compact and cost effective, high definition side scan sonar. The sonar is designed to be easily deployed by hand and operated by a single person or in small boats making it ideal for inshore and coastal applications. Additionally the sonar has a weak link and safety recovery line, so if it hits an obstruction the weak link will break but the sonar will not be lost.

Fitted with durable polycarbonate stabiliser fins the sonar has excellent stability under all towing conditions. In the event of ground contact the fins will break away but are retained for recovery by a shock cord.

As part of the SeaKing range the Towfish can be connected to a Surface Control Unit (SCU) or to a surface computer through a SeaHub or SeaKing Topside Interface unit. Using Trittech software it is possible to incorporate Global Positioning System (GPS) data to allow an accurate fix on the sonar records. The sonar data can be viewed live, stored for later usage or exported to CSV, XTF, TIFF, GEOTIFF and KMZ formats.

## Compact, lightweight, easy to deploy and recover

The SeaKing Towfish is designed for a wide range of seabed surveys and inspection duties. The 325kHz frequency has a maximum operational range of 200m on each side. The sonar combines the latest digital sonar electronics with industry leading transducer design and digital CHIRP signal processing techniques to dramatically improve range resolution and generate sonar images of unprecedented clarity.

### Benefits

- Cost effective
- Easy to deploy and recover
- Low power and high data rates
- Compatible with SeaKing range

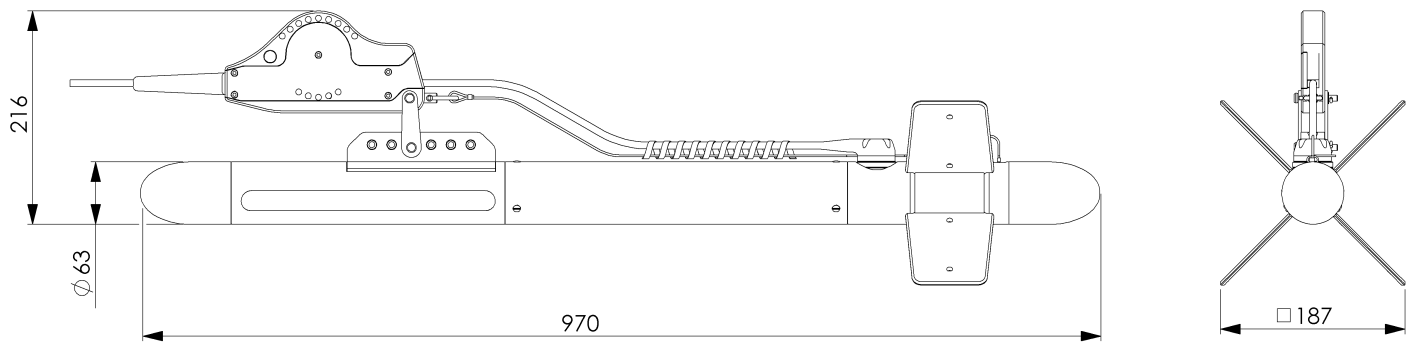
### Features

- High and low frequency options
- High definition
- 200m range on either side
- Export to XTF and CSV formats
- ARCNET, RS485 or RS232

### Applications

- Coastal surveys
- Military mine counter measures
- Shipwreck location
- Pipeline and route surveys
- River, harbour and canal surveys

# Specification



Not to scale, dimensions in mm.

Acoustic specification	Low frequency*	High frequency
Operating frequency	325kHz	675kHz
Beamwidth	30° vertical, 1.7° horizontal	30° vertical, 1° horizontal
Pulse length	400µs	200µs
Range	200m	100m

Electrical and communications	
Supply voltage	24 to 72 VDC
Power consumption	12W
Communication	ARCNET or Serial (RS232/RS485)
Cable	Standard 6.7mm diameter Kevlar re-inforced cable. Supplied in lengths of 100 and 150 metres

Software	
Software	Tritech Seonet Pro ChesaPeake 'SonarWiz' real-time interface Low level direct access and control
Data log format	Tritech V4Log as standard Export to XTF, TIFF, GeoTIFF and Google Earth KMZ via converter

Physical specification	Aluminium housing
Depth rating	40m
Weight in air	7.0kg
Weight in water	4.1kg
Temperature rating	-10 to 35°C (operational), -20 to 50°C (storage)

\*The SeaKing Towfish is supplied as either a High Frequency or Low Frequency sonar and is not switchable.

Specification subject to change in line with Trittech's policy of continual product development

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