

# DeepEye

## Side Scan Sonar

### Main Features

- Portable
- Up to 200 meter tow cable
- Digital chirp technology
- Large swath width
- High resolution
- Low power

The DeepEye is our medium sized towed side scan sonar system. It takes full advantage of the powerful DeepVision DSSP hardware, using state of the art chirp technology to capture crystal clear side scan sonar images. Its small size makes it highly portable with light weight cables of lengths ranging from 20 meters to 200 meters.

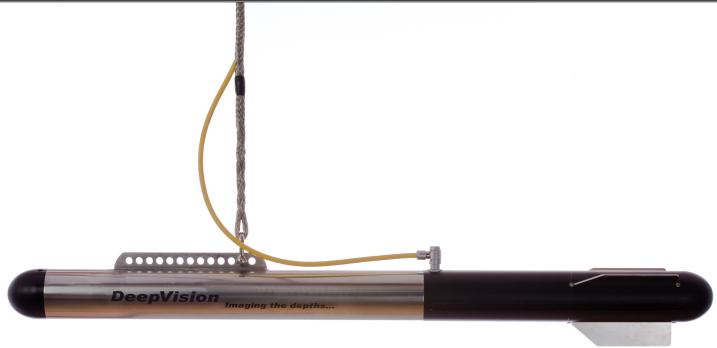
The DeepEye system consists of a surface unit, the DeepEye towfish, a deck cable, a towing cable and a PC running the DeepView software.

The low power consumption of the system allows it to be powered from a single USB port.

There are four standard versions of the DeepEye system. All four versions have been developed in close collaboration with our customers to ensure both high quality imaging in all environments and ease of use.

#### DE340D, 340 kHz

The DE340D, 340 kHz is designed for long range scanning of hard targets. It is often used in surveys of hard targets such as sediments, bottom structures, cables, pipelines and shipwrecks.



#### DE680D, 680 kHz

The DE680D, 680 kHz is optimised for high resolution. The higher frequency does not only make the DE680D perfect for surveys that need high resolution, such as archeological surveys, but also for surveys of soft targets, such as biological surveys.

#### DE3468D, 340/680 kHz Dual Frequency

The DE3468D dual frequency sonar packs all the advantages of both the DE340 and the DE680D in one towfish. The frequency can easily be switched in the DeepView software. The lower frequency is perfect for large scale mapping and to locate objects of interest, while the higher frequency is perfect for capturing high resolution images of the objects.

#### DE680SAR, 680 kHz SAR

The DE680SAR search and recovery sonar is developed in close collaboration with the Swedish marine police. It is used with great success by, among others, the Swedish marine police for underwater search and recovery, such as locating drowning victims etc.

# DeepVision

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# DeepEye Side Scan Sonar

## 340 kHz

Sonar model	DE340D
Technology	Chirp Digital
Frequency	340 kHz Center range/resolution optimized
Horizontal beamwidth	0.9°
Vertical beamwidth	60°
Range	15 to 200 m 49 to 656 feet
Range resolution	1.5 cm 0.59 inch
Max operating depth	100 m 328 feet
Max cable length	200+ m 656 feet
Interface	RS485, GND, Supply, Fischer 103 DEE 4
Length	850 mm 33.5 inch
Diameter	60 mm 2.36 inch
Weight	9 kg 19.8 pounds
Weight in water	6.7 kg 14.8 pounds
Materials	Stainless steel, PVC and Polyurethane

## 680 kHz

Sonar model	DE680D
Technology	Chirp Digital
Frequency	680 kHz Center range/resolution optimized
Horizontal beamwidth	0.5°
Vertical beamwidth	60°
Range	10 to 100 m 33 to 328 feet
Range resolution	1 cm 0.39 inch
Max operating depth	100 m 328 feet
Max cable length	200+ m 656 feet
Interface	RS485, GND, Supply, Fischer 103 DEE 4
Length	850 mm 33.5 inch
Diameter	60 mm 2.36 inch
Weight	9 kg 19.8 pounds
Weight in water	6.7 kg 14.8 pounds
Materials	Stainless steel, PVC and Polyurethane

## 340/680 kHz Dual

Sonar model	DE3468D
Technology	Dual Chirp Digital
Frequency	Dual 340/680 kHz range/resolution optimized
Horizontal beamwidth	0.9°/0.5°
Vertical beamwidth	60°/60°
Range	25 to 200 / 10 to 100 m 82 to 656 / 33 to 328 feet
Range resolution	1.5/1 cm 0.59/0.39 inch
Max operating depth	100 m 328 feet
Max cable length	200+ m 656 feet
Interface	RS485, GND, Supply, Fischer 103 DEE 4
Length	850 mm 33.5 inch
Diameter	60 mm 2.36 inch
Weight	9 kg 19.8 pounds
Weight in water	6.7 kg 14.8 pounds
Materials	Stainless steel, PVC and Polyurethane

## 680 kHz SAR

Sonar model	DE680SAR
Technology	Chirp Digital
Frequency	680 kHz Center range/resolution optimized
Horizontal beamwidth	0.9°
Vertical beamwidth	60°
Range	5 to 50 m 16 to 164 feet
Range resolution	5 mm 0.2 inch
Max operating depth	100 m 328 feet
Max cable length	200+ m 656 feet
Interface	RS485, GND, Supply, Fischer 103 DEE 4
Length	850 mm 33.5 inch
Diameter	60 mm 2.36 inch
Weight	9 kg 19.8 pounds
Weight in water	6.7 kg 14.8 pounds
Materials	Stainless steel, PVC and Polyurethane

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