

Echologger RS900

High Resolution Scanning Sonar

by EofE Ultrasonics Co., Ltd.

Features

High resolution sonar with real-time imaging

Fast scanning speed

Low power consumption (Max 4W)

Versatile connection scheme

- Subconn wet connector to side or to bottom

Easy to operate with user friendly GUI software

Digital CHIRP Technology

No Wear/Tear Parts (Contactless Rotating Transformer Mechanism)

Rotational Compensation with Gyro and Compass

Applications

- Search & Rescue Operation
- Navigation for ROV/AUV
- Scour Monitoring
- Underwater Structure Monitoring
- Mine Hunting
- Harbor Surveillance
- Obstacle Avoidance

Specification

Pulse Type	Chirp, CW
Operating Frequency	~900kHz
Beam Pattern	Fanbeam (0.8°H /30°V)
Range	from 30cm, up to 60m
Range Resolution	7.5 mm @ 100kHz Sampling Frequency
Scanning Angle	Selectable up to 360°
Scan Angle Resolution:	0.1125°, 0.225°, 0.45°, 0.9°, 1.8°
Scan Speed:	4 sec / 360° @ 5 m, Scanning Resolution 0.9° 6.4 sec / 360° @ Range 10 m and Scanning Resolution 0.9° 40 sec / 360° @ Range 60 m and Scanning Resolution 0.9°
Transmit Pulse Length	512us (chirp), 10 - 100us (CW)
Interface	RS232 / RS485 up to 3 Mbaud
Power Requirements	12 - 72 VDC, 6 W max
Cable max length	300m @ 2 Mbaud, 1 km @ 115200 baud
Connector	MCBH6M (Subconn)
Operating Depth	1000m
Material	Aluminum, Hard Anodize
Dimensions	D140mm x H120 mm
Weight	2.6 kg / 0.9kg (air /water)

Product Images



Product Images



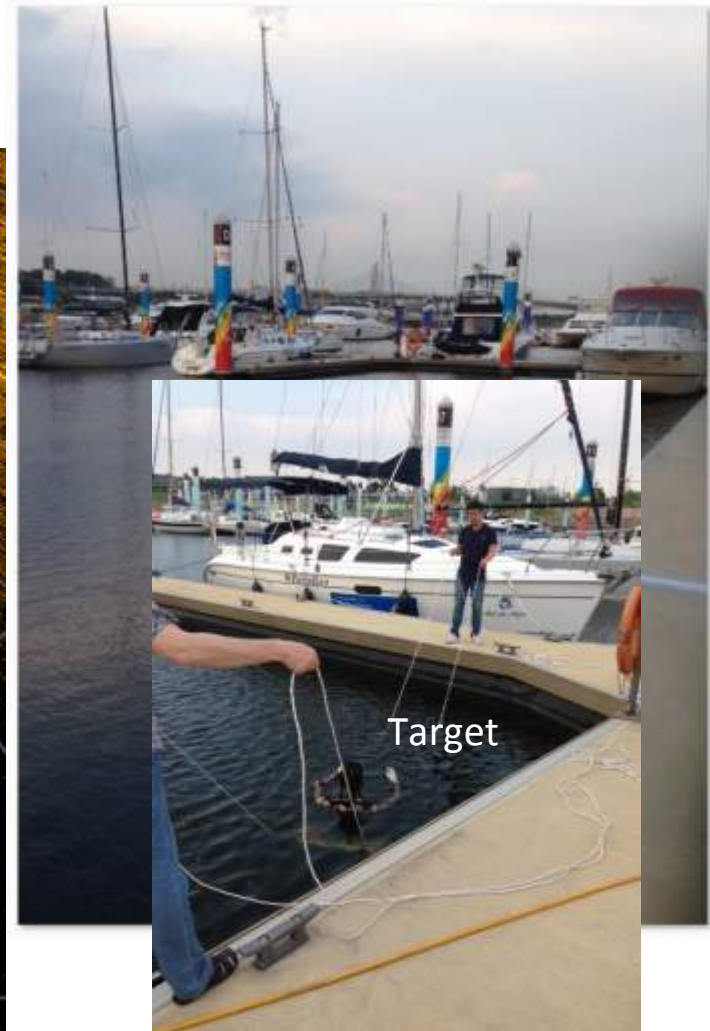
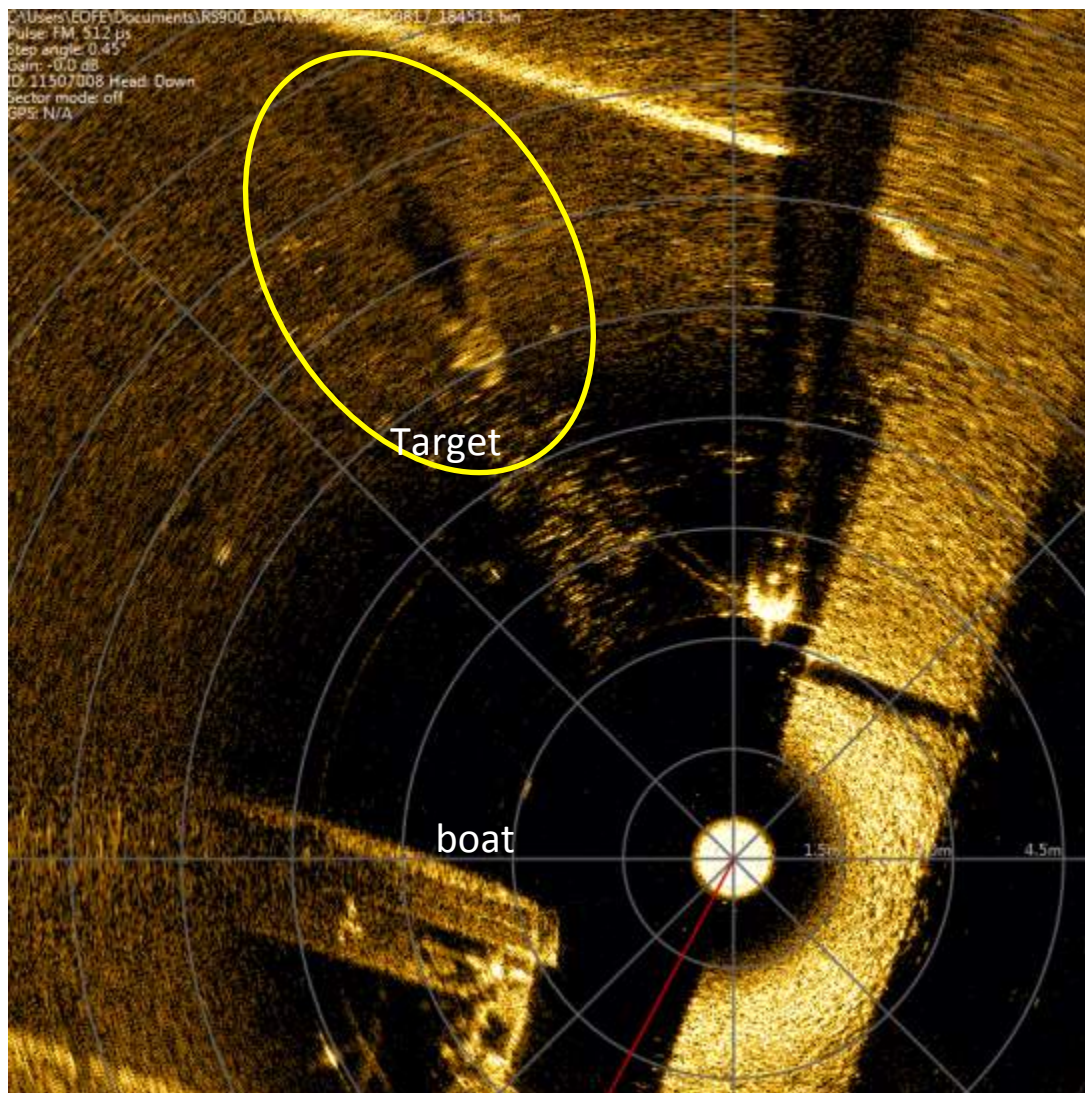
Product Images



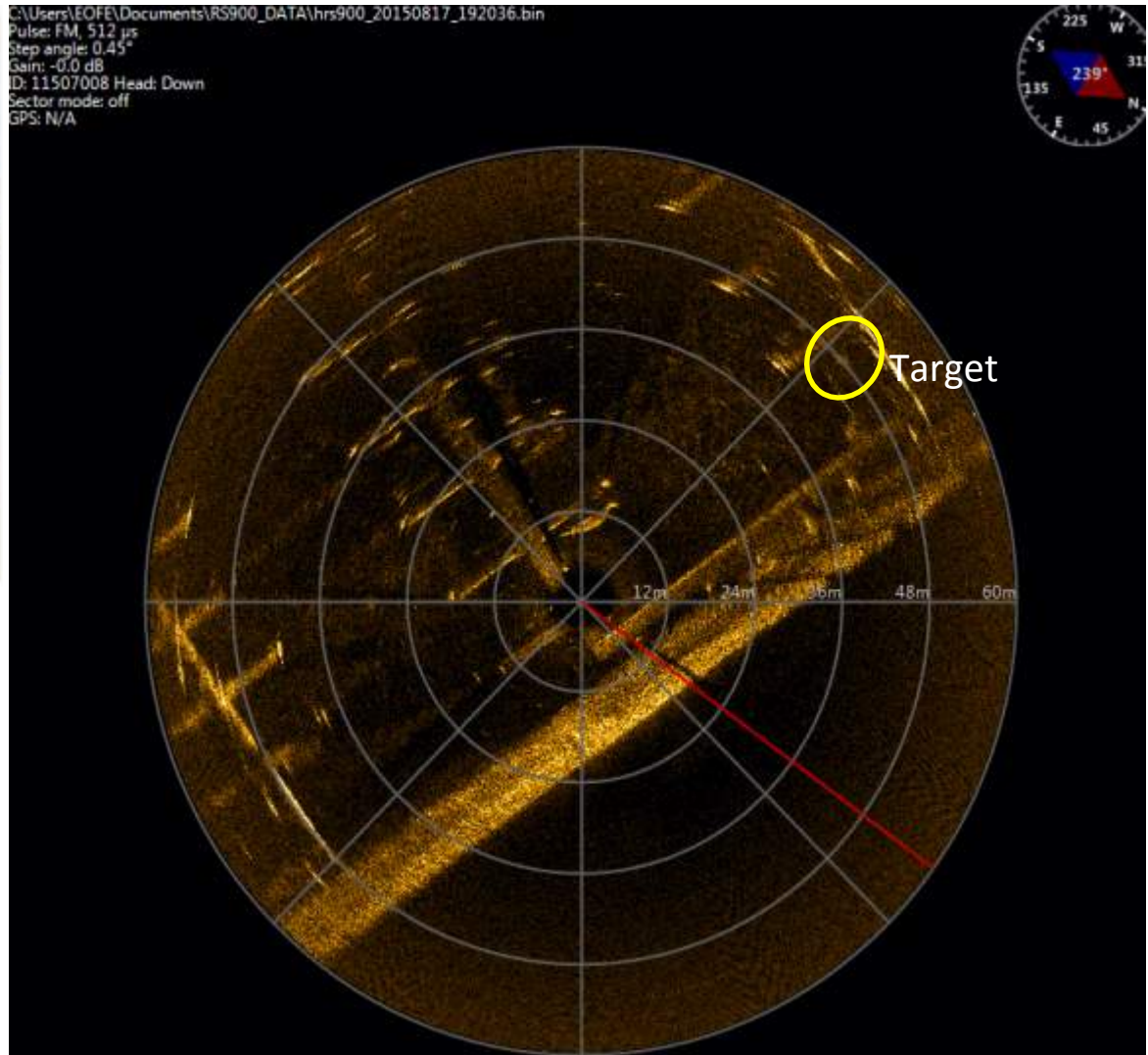
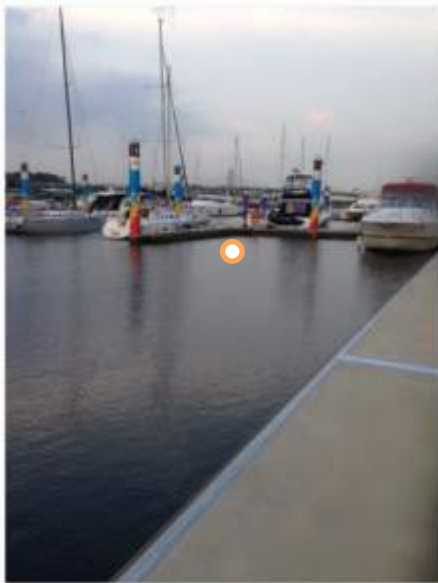
Product Images



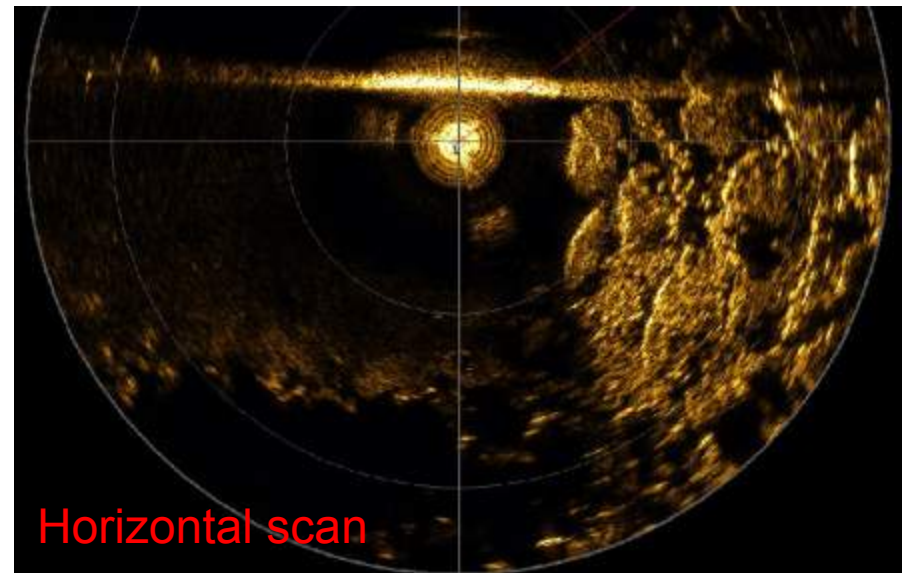
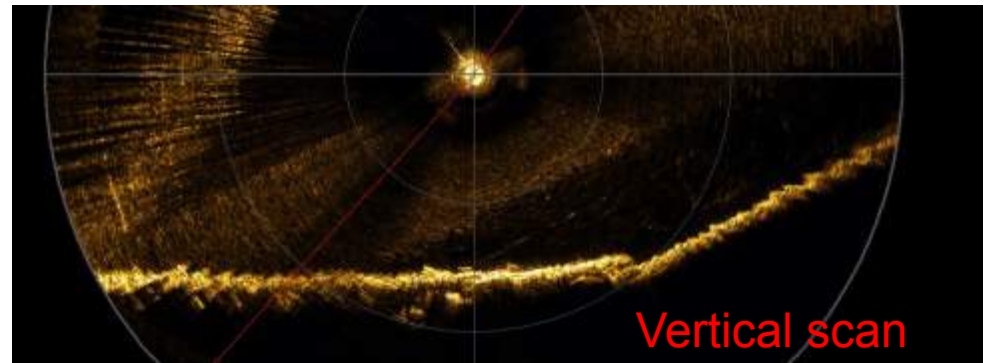
High resolution Images



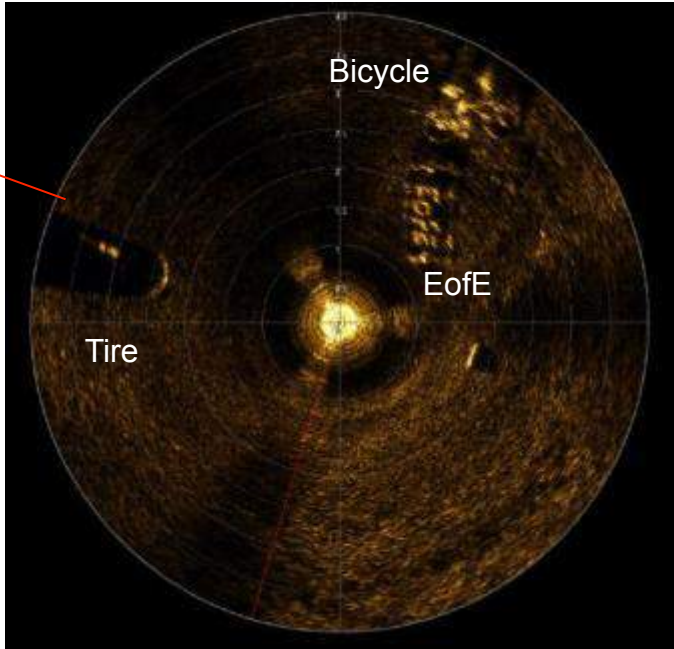
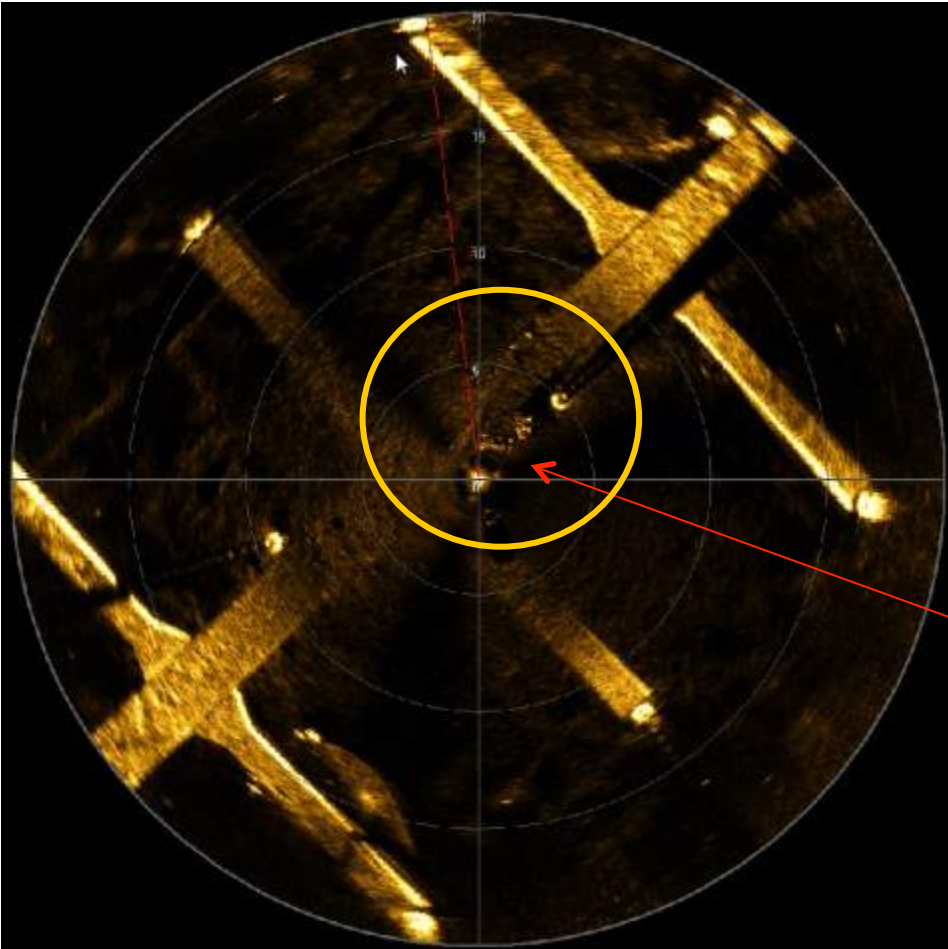
High resolution Images



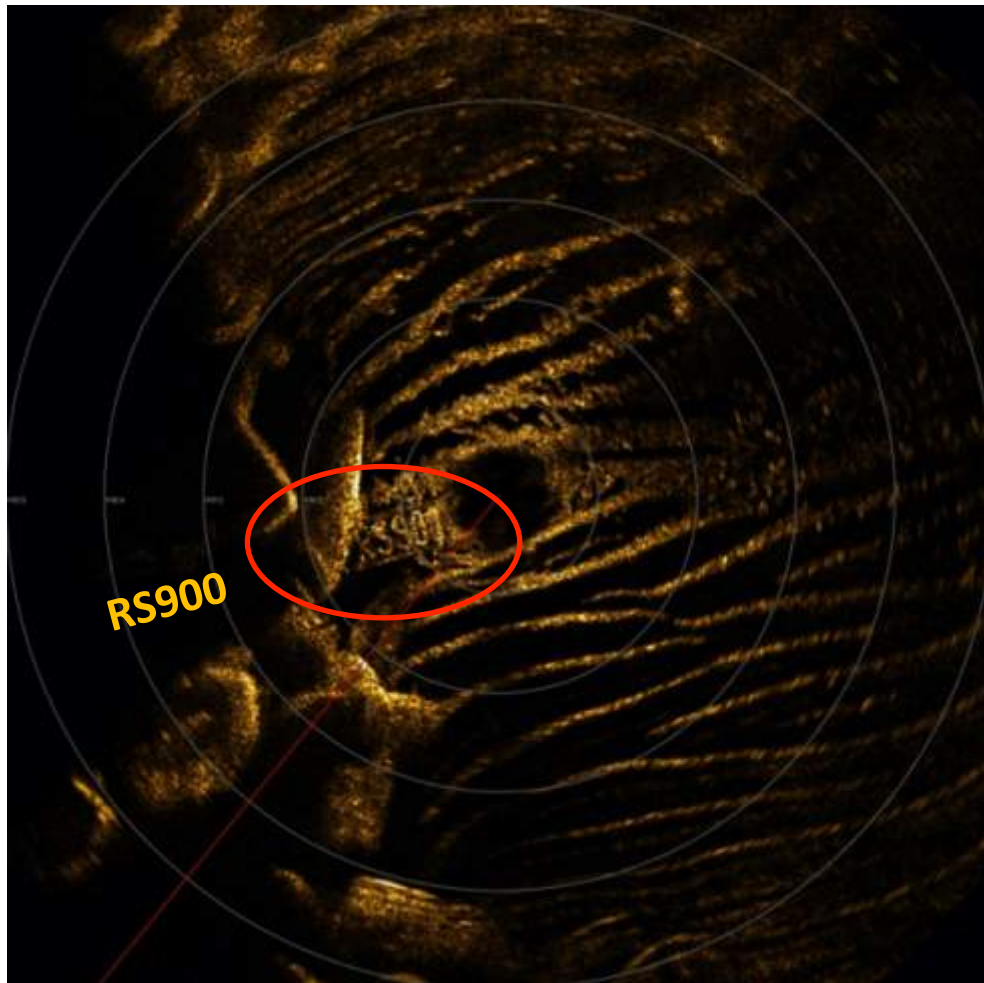
High resolution Images



High resolution Images

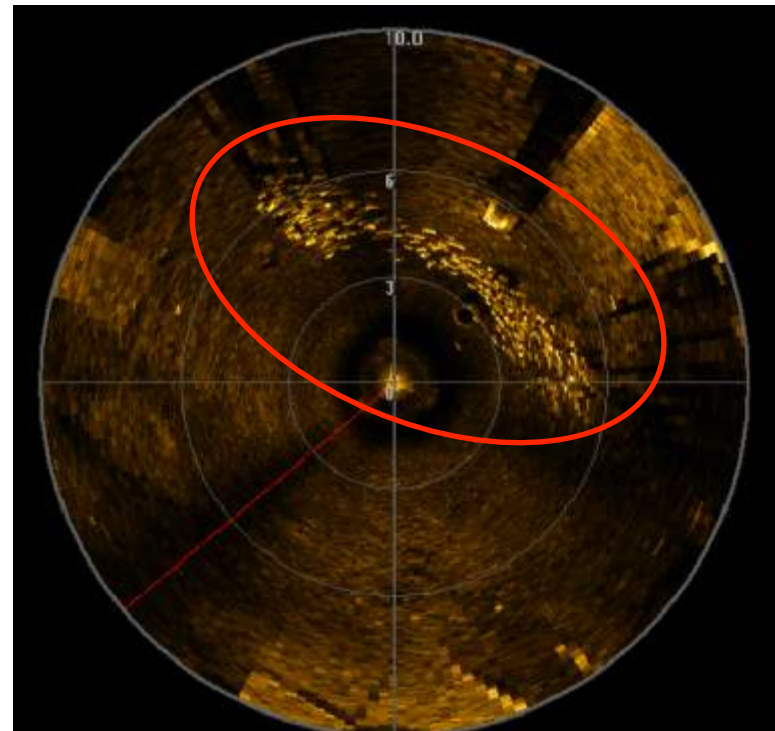


High resolution Images

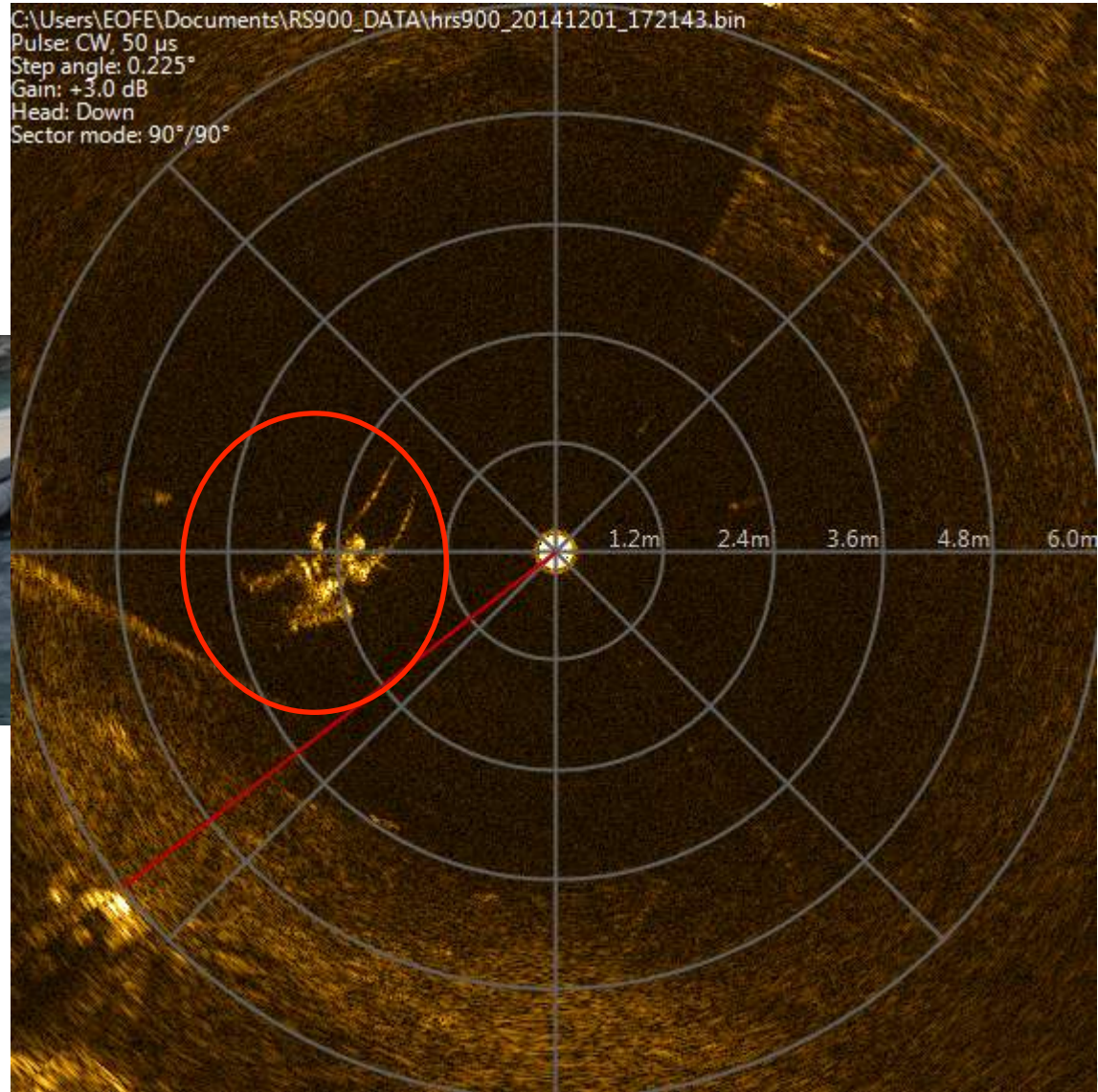


Target : RS900

High resolution Images

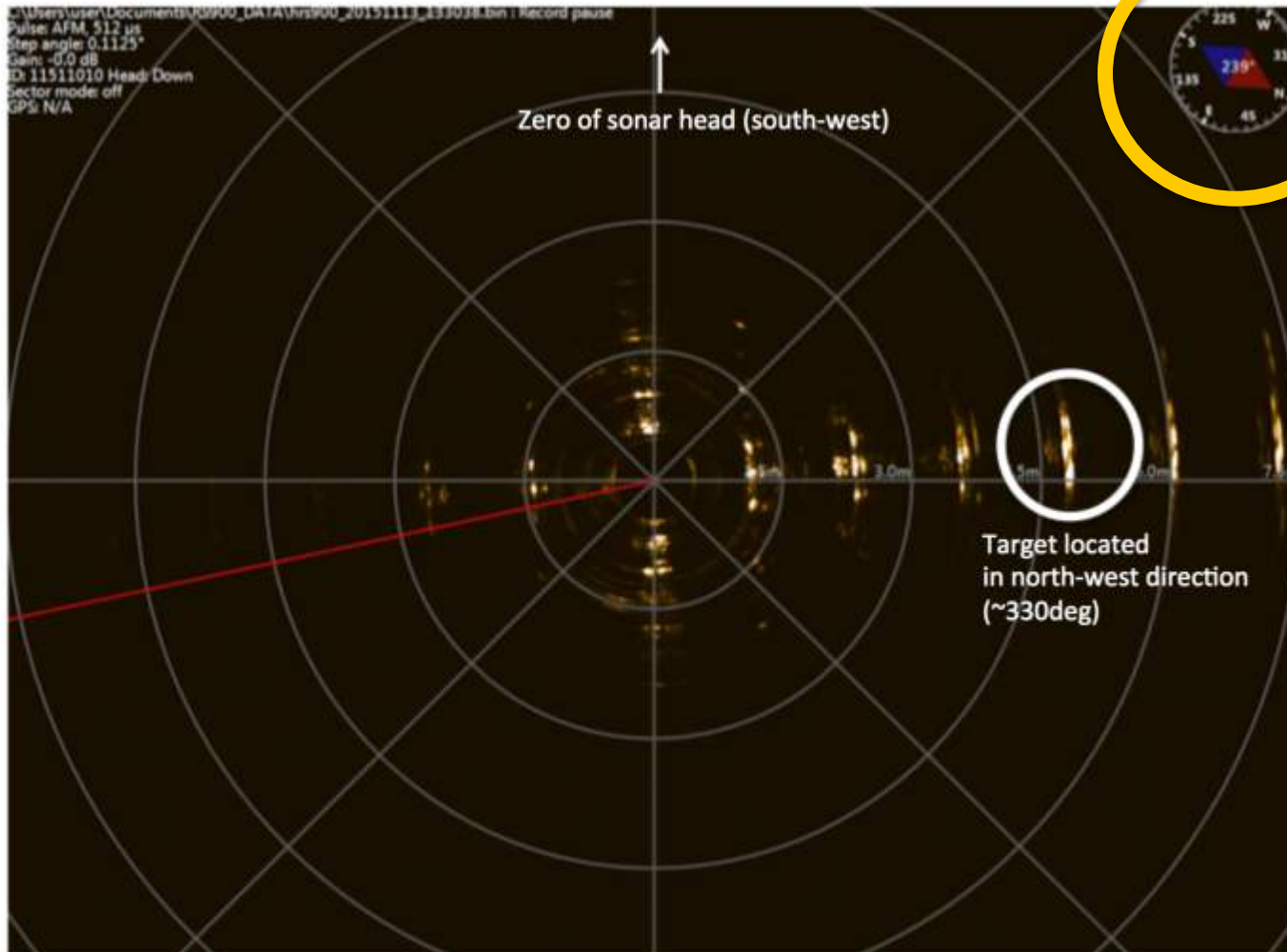


High resolution Images



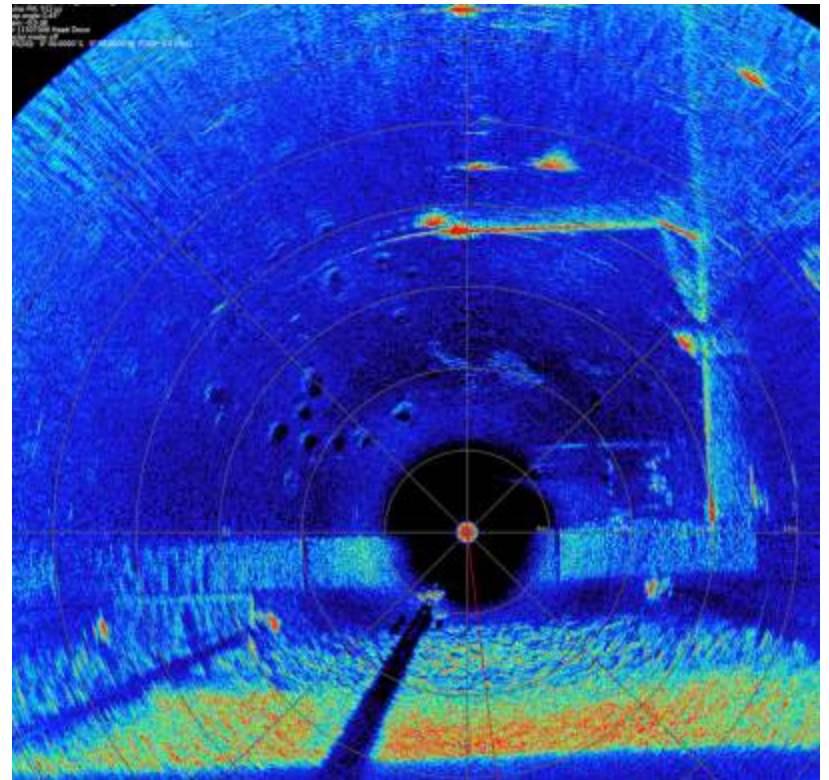
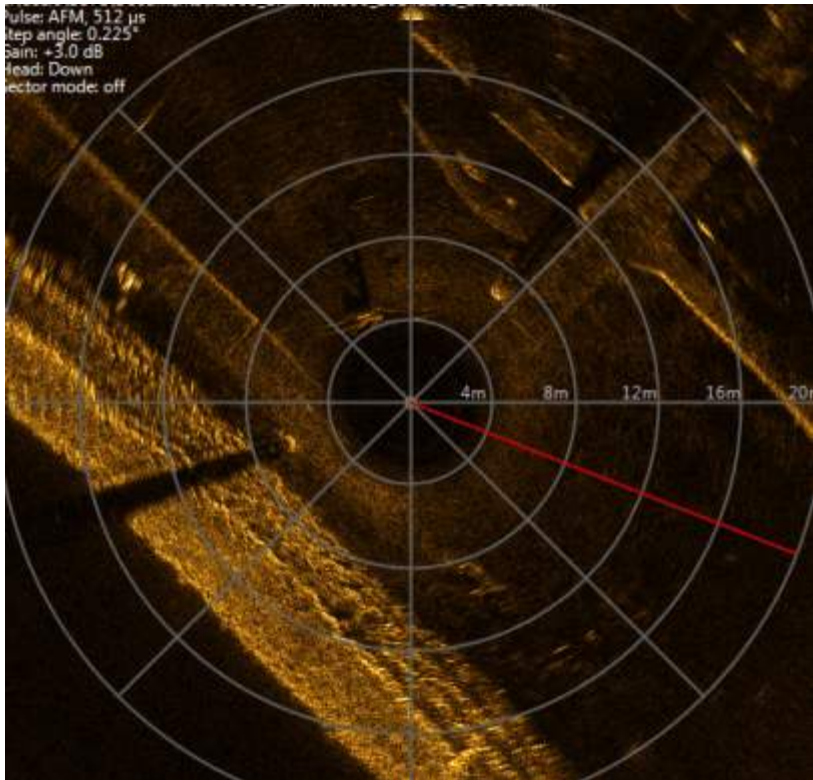
Features

Rotational Compensation with Gyro / Compass



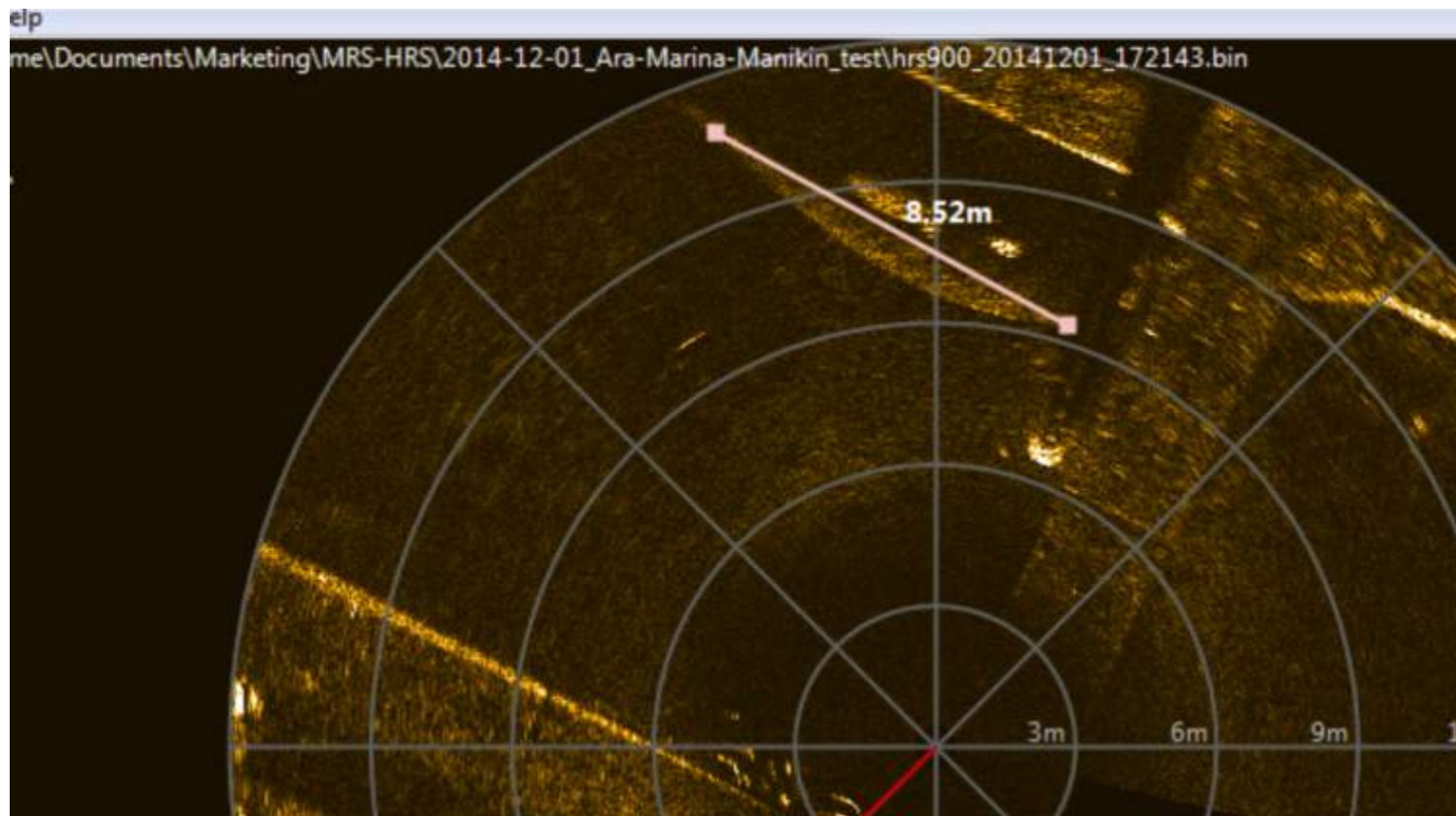
Features

Versatile palette



Features

Rulers to measure distances / sizes



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Thank you !