




DS900, Diver-held imaging SONAR

for affordable, safe and informed diving tasks

Affordable and powerful diver SONAR

This unique device is one of the most powerful and practical sonar systems in the market for the savvy divers. It is a hand-held underwater acoustic imaging system with depth sensor, temperature sensor, compass, HD camera and underwater light. It also has realtime recording capabilities (for both sonar and camera).

Every diver can make use of this dynamic product to enjoy visibility in dark and turbid environments for their tasks such as search & rescue (SAR), structure monitoring or obstacle avoidance.

Features

- High resolution sonar images under zero visibility
- Diver-held (swim-board type)
- Real time images fed to divers' eyes
- For SAR (search and rescue)
- For Underwater Inspections
- For Military Operations

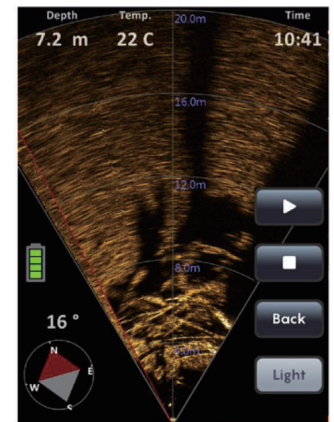
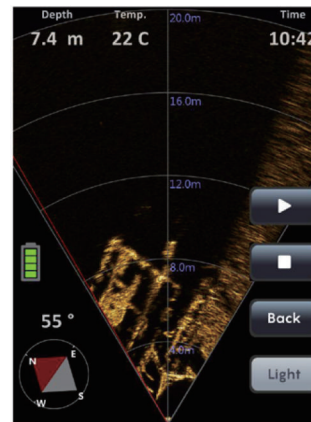
Field certified

Professional bodies have commended the sublime nature of this fascinating device.

“With this unit, that’s the fastest I’ve ever swum the obstacle course”

“We were also able to swim 50 yards offshore, and use the unit to see the pier and swim back to the right spot” - SEAL divers

“It beats most of the conventional diver held devices in value for money” – Rescue diver



Specifications

Operating frequency	900 kHz
Beam angle	H2°, V25.0°
Max Range	60m
Range resolution	15 mm
Scanning resolution (adjustable)	0.1125°, 0.45°, 1.8°
Pulse length	512 us (CHIRP), 10 - 100us (CW)
Scanning angle (adjustable)	30, 45, 60°
Underwater monitor	Color LCD 7inch, 1280 x 800 pixels
Battery Life	Appx. 3 hrs @ sonar mode
Memory	SSD 15GB (50hours' sonar data)
Depth rate	100 m
Control unit housing material	Al (Hard anodized)
Weight	4.3 kg(air) / -36g(water)
Dimensions	230 x 290 x 160 (mm)
Pressure sensor	0~30bar (300m)
Pressure sensor resolution	0.2mbar
Underwater Camera	HD 1280 x 720 (max 30 fps)
Camera view angle	73°
Light Brightness	300 lm
Compass range	360°
Compass resolution	Heading: 0.5°, Tilt:1°(<30°), 1.5°(<60°)



DS900 vs. DS900H

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