



Sonar-Diver Detector



Acoustic Shield

This sonar series provides forward acoustic vision for underwater vehicles in various waters, enabling target detection, collision avoidance and obstacle detection. Integrated with pressure and temperature sensors, it outputs real-time water pressure, internal and ambient temperatures. Equipped with professional software and standardized interfaces, it is easy to operate. With max 300m operating depth, 150m detection range, large detection angle and 40Hz max refresh rate, it ensures precise ranging.



Sonar



Features

- Rich measurement water areas
- Oceans, lakes, reservoirs, inland rivers
- Clear and turbid waters
- Wide detection range
- Operating water depth up to 300m
- Detection distance over 150m
- Horizontal opening angle up to 150°
- Vertical opening angle up to 30°
- Equipped with professional operating software
- Supports forward acoustic vision of the carrier
- Fast data processing
- Maximum refresh rate up to 40Hz
- Easy to operate
- Gigabit Ethernet, TCP/IP protocol

Applications

- Health monitoring of underwater structures
- Sunken ship detection
- Underwater salvage
- Underwater search and rescue
- Marine resource survey
- Inspection of inland rivers, lakes and wharves
- Culvert detection
- Underwater navigation, obstacle avoidance and target recognition for ROV/AUV
- Monitoring of submarine pipelines and cables

Specifications

MODEL	QS47
Operating Depth	≥300 meters
Max. Detection Range	≥150 meters
Max. Horizontal Beam Width	150°
Max. Vertical Beam Width	30°
Refresh Rate	Up to 40Hz
Operating Frequency	400kHz / 700kHz
Signal Type	CW, CHIRP