

e4i **communication**

EXPERIENCE THE DIFFERENCE
YOUR SECURITY & SAFETY PRODUCTS

**SwordFish™ is a Passive or Passive &
Active low frequency towed array sonar
(TAS) system**



SWORDFISH
Towed Array Sonar

C4i Communication SwordFish™ is a Passive or Passive & Active low frequency towed array sonar (TAS) system

Designed to operate with the medium frequency of both the BlackFish™ HMS and bow-mounted sonar (BMS) in littoral and deep-water ASW operations

The SwordFish™ is capable of underwater target search, detection, tracking and classification in passive, active and parallel modes

Each sonar system includes machine learning technologies for automation of algorithms and reduction of operator workload or knowledge requirement

The lightweight TAS system, with its low deck signature, is suitable for surface vessels of various sizes, including frigates, corvettes, offshore patrol vessels (OPV) and even small vessels such as fast patrol craft (FPC)

Integration with C4i Co. SeaShield™:

Designed for a variety of missions, the SwordFish™ sonar is suitable for use on vessels of various sizes, including frigates, corvettes, offshore patrol vessels (OPV) and other small vessels. It complements DSIT's BlackFish hull-mounted sonar (HMS) system and C4i's SeaShield™ static active submarine detection sonar. When used for littoral defence, all C4i's sonar systems can now be operated via one onshore control station. This unique solution considerably reduces the number of sonar operators needed for coastal ASW operations. It also allows the re-allocation of precious ASW capable platforms for other important missions away from the littorals. This defence concept creates a unique solution for the defence of the littorals from submarines and smaller underwater threats.

Main Features and Technical Specifications

- Passive Broadband and Narrowband automatic classifier including automatic detection & tracking of underwater targets
- Imbedded Range Prediction System (RPS)
- Multiple display modes for Active and Passive operation including user friendly HMI and GUI
- Built-in simulator and Telemetry (BIT)
- Automatic torpedo alert
- low deck signature

Swordfish™ TAS Block Diagram

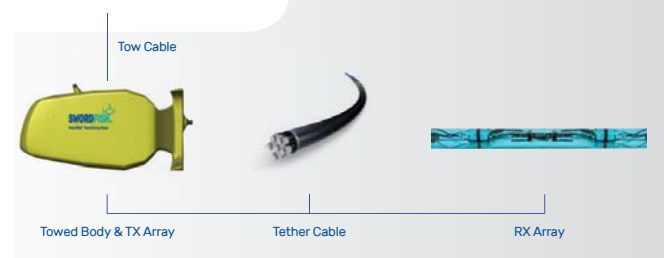
ELECTRONIC ROOM

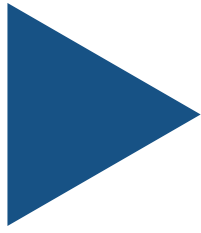


DECK



SUBSEA





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FOR MORE INFORMATION: contact@c4icommunication.com or +1 (302)9811340