

# CAPTAS-1, CAPTAS-2 and CAPTAS-4 **Combined Active and Passive Towed Array Sonar**

An aerial photograph of a Zumwalt-class destroyer, the USS Zumwalt (DDG-1000), sailing on the ocean. The ship is a light grey color with a distinctive hull shape. It is moving from the left towards the right, creating a white wake behind it. The sky is clear and blue.

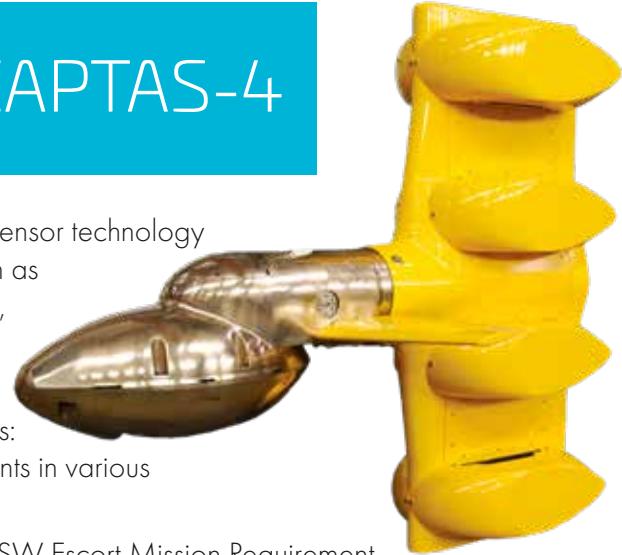
World Class Undersea  
Warfare Solutions  
for Tomorrow's Navy  
Operational at sea since 2002

# CAPTAS-1, CAPTAS-2 and CAPTAS-4

Combined Active and Passive Towed Array Sonar (CAPTAS) is a key sensor technology for identifying submarines operating in difficult sonar environments such as littoral waters. The CAPTAS family offers a range of performance levels, providing solutions for the full spectrum of naval requirements and ship sizes.

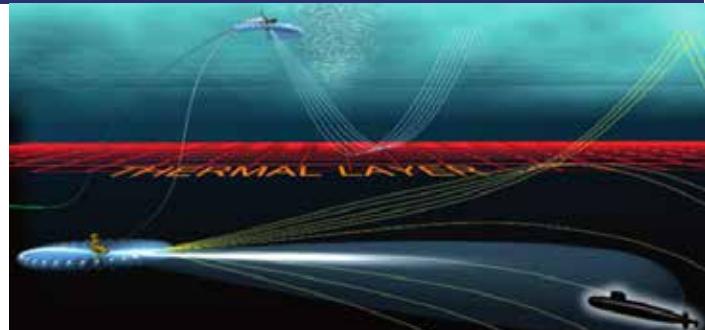
The CAPTAS is available in one, two and four free-flooded ring models: CAPTAS-1, 2 and 4 respectively as needed to meet mission requirements in various operating environments.

The CAPTAS-4 Transmitter was selected by the US Navy to meet the ASW Escort Mission Requirement.



## Key Features

- US Based Assembly, Integration, Test, and Support
- Family of Variable Depth Sonars
- Power and Size Solution for any Application
- Proven Performance in Littorals and Blue Water



Technical Feature	CAPTAS-1	CAPTAS-2	CAPTAS-4
Transmitter	Towed Body with 1 FFR	Towed Body with 2 FFR	Towed Body with 4 FFR
Transmit Modes	Omni-directional		
Receiver	Triplet line array with instantaneous L/R ambiguity resolving, receive frequency 100 Hz to 4,200 Hz		
Towing Configuration	Single tow, the body tows receive array	Single tow, the body tows receive array	Single tow, Dual tow, the body tows receive array
Active Frequency	below 2 kHz		
Transmit Bandwidth	Wide FM		
Pulse Types	FM, CW, and COMBO		
Operational Limit	Sea State 6		
Operational Depth	up to 220 m	up to 230 m	up to 235 m
Detection Performance	typical up to 30 km	beyond 1 <sup>st</sup> convergence zone	up to 2 <sup>nd</sup> convergence zone

Specifications are subject to change without notice.

**Advanced Acoustic Concepts, A Thales Company**

1080 Eberly Way | Lemont Furnace, PA 15456

P: +1.724.434.5100 | F: +1.724.434.5101

info@aaccorp.com | www.advancedacousticconcepts.com



2324:012026:V3

Thales has a policy of continuous development and improvement and consequently the equipment may vary from the description and specification in this document. Export of any Thales product is subject to US export controls, and licenses may be required. This document may not be considered as a contract specification, nor does it provide warranty of any kind. Graphics do not indicate use or endorsement of the featured equipment or service. Copyright® 2026 Thales. All Rights Reserved.