



Anti-Submarine Warfare (ASW)

Variable Depth Sonar (VDS) is a key sensor technology for identifying conventional diesel-powered submarines operating in difficult sonar environments such as littoral waters. VDS is derived from the Combined Active and Passive Towed Array Sonar (CAPTAS) family of products from THALES and offers a range of performance levels, providing solutions for the full spectrum of naval requirements and ship sizes.

VDS is available in four and two free-flooded ring models as needed to meet mission requirements in various operating environments.

The VDS Transmitter was selected by the U.S. Navy to meet the ASW Escort Mission requirement for the Littoral Combat Ship (LCS).



CAPTAS 4

Dual Tow - Maximum Power



CAPTAS 2

Single Tow - High Power

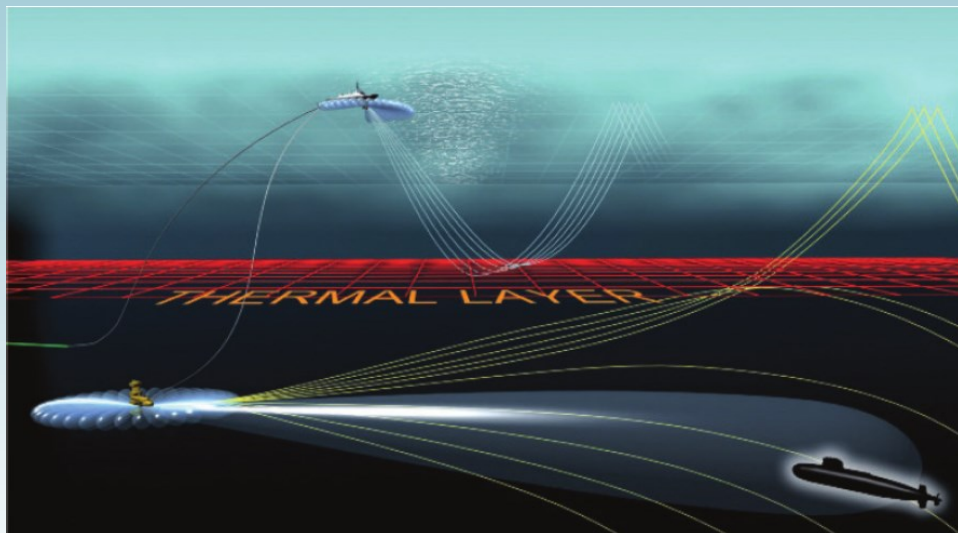


WORLD CLASS UNDERSEA WARFARE SOLUTIONS FOR TOMORROW'S NAVY

Technical Features	CAPTAS 4	CAPTAS 2
Transmitter	Towed Body with 4 FFR	Towed Body with 2 FFR
Transmit Modes	Omni-Directional	Omni-Directional
Receiver	Triplet line array with instantaneous L/R ambiguity resolution, Freq. 100 to 4,200 Hz	
Towing Configuration	Dual Tow: separate winches for the towed body and the receive array	Dual Tow or Single Tow: the body tows receive array
Active Frequency	900 to 2,100 Hz	900 to 2,100 Hz
Transmit Bandwidth	Up to 640 Hz	Up to 640 Hz
Pulse Lengths	1 to 16 sec	1 to 16 sec
Pulse Types	FM, CW, and Combo	FM, CW, and Combo
Operational Limit	Sea State 6	Sea State 6
Operational Depth	Up to 250m	Up to 250m
Range Scale	0 to 144 yds	0 to 144 yds
Detection Performance	Up to 2nd convergence zone	Beyond 1st convergence zone
Towing Ship Size	> 3, 000 T	> 1,500 T

ANTI-SUBMARINE WARFARE

- U.S. Manufacturing and Support
- Proven - Best of Class Technology
- Partnership and Power of Two Leading Global Defense Technology Companies
- Family of Variable Depth Sonars
- Power and Size Solutions for Any Application
- Proven Performance in Littorals and Blue Water



Export of AAC products is subject to U.S. export controls. Licenses may be required. This material provides up-to-date general information on product performance and use. It is not contractual in nature, nor does it provide warranty of any kind. Information is subject to change at any time.

Copyright © AAC 2012. All Rights Reserved

Advanced Acoustics Concepts - A DRS/Thales Company

425 Oser Avenue, Hauppauge, NY 11788

www.drs.com marketing@drs.com