



COMBINED ACTIVE AND PASSIVE TOWED ARRAY SONAR

Combined Active and Passive Towed Array Sonar (CAPTAS) is a key sensor technology for identifying conventional diesel-powered 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.

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

The CAPTAS-4 Transmitter was selected by the U.S. Navy to meet the ASW Escort Mission Requirement for the Littoral Combat Ship.

CAPTAS 4

Dual Tow - Maximum Power



CAPTAS 2

Single Tow - High Power

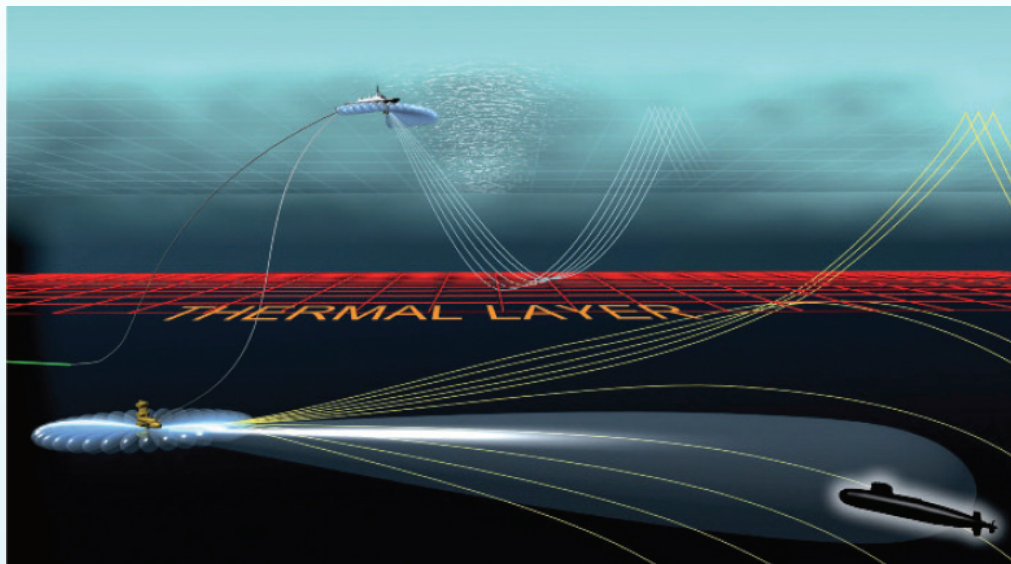


WORLD CLASS UNDERSEA WARFARE SOLUTIONS FOR TOMORROW'S NAVY

Technical Feature	CAPTAS 2	CAPTAS 4
Transmitter	Towed Body with 2 FFR Towed Body	with 4 FFR
Transmit Modes	Omni-directional	Omni-directional
Receiver	Triplet line array with instantaneous L/R ambiguity resolving, receive frequency 100 Hz to 4,200 Hz	
Towing Configuration	Single tow, Dual tow, the body tows receive array	Dual tow, separate winches for the towed body and the 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 secs	1 to 16 secs
Pulse Types	FM, CW, and COMBO	FM, CW, and COMBO
Operational Limit	Sea State 6	Sea State 6
Operational Depth	Up to 250 m	Up to 250 m
Range Scale	0 to 144 kyds	0 to 144 kyds
Detection Performance	Beyond 1st convergence zone Up to	2nd convergence zone
Towing Ship Size	>1500T	>3000T

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 Solution for any Application
- Proven Performance in Littorals and Blue Water



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