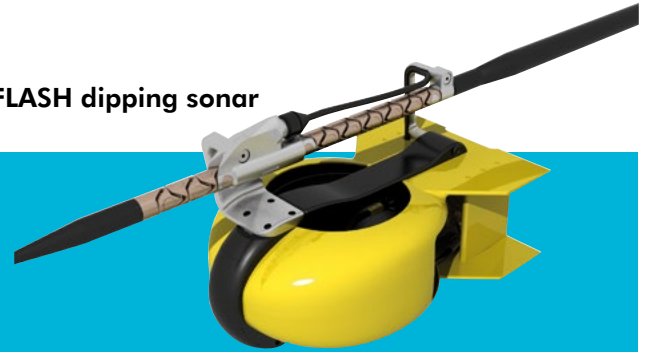


THE MOST COMPACT AND MODULAR REAL ASW SONAR OF THE CAPTAS FAMILY FOR EFFECTIVE ASW IN MARITIME SECURITY OPERATIONS AND ANTI ACCESS AREA DENIAL MISSIONS (A2AD).

- Modular solution for any ASW or non-ASW combat vessel > 30 mtr
- Medium range detection in shallow and deep waters
- Permanent torpedo alert
- User-friendly HMI, with 3D analysis and chart underlay
- Multi-static interoperable with CAPTAS family VDS and FLASH dipping sonar



ANTI SUBMARINE WARFARE

CAPTAS-1

Low Frequency Active and Passive Variable Depth Sonar



THALES CAPTAS family

More than 40 systems in operation over 10 navies member of CAPTAS user's club.

- A South American Navy
- Egyptian Navy
- French Navy
- Italian Navy
- Royal Malaysian Navy
- Royal Moroccan Navy
- Royal Norwegian Navy
- Royal Saudi Naval Forces
- UAE Armed Forces
- UK Royal Navy

- Operational at sea on 9 different types of platforms and CMS
- Continuously updated with low risk insertion since early 2000



ANTI SUBMARINE WARFARE

THALES CAPTAS family

World's favourite and most sea proven
Low frequency active and passive VDS

OPERATIONAL HIGHLIGHTS

Compact with high performance

- Medium range simultaneous active and passive 360° surveillance and analysis (incl LOFAR & DEMON).
- Permanent all-round torpedo alert.
- Simple and rugged VDS deployable at optimum depth to overcome harsh propagation conditions and surface-layer problems inherent to Hull-Mounted Sonar.
- Deep water capable thanks to low frequency and long pulses.
- Shallow water capable thanks to Automatic Depth Emergency Control (ADEC) function. Low reverberation effect due to limited vertical directivity and wide bandwidth.

Multi-static interoperable with CAPTAS VDS and FLASH dipping sonar, together providing the most performing compact ASW Sonar Suite for OPV and light frigates.

User-friendly HMI, same for HMS and CAPTAS with 3D analysis and chart underlay to increase situation understanding.

MAIN CHARACTERISTICS

System features

- Easy installation thanks to the modular design.
- Mission modules (optional) for plug & play of an additional ASW capability.
- Performance prediction function to optimize sonar use.
- Mammals safe: adjustable source level.

Transmit array features

- One Free Flooded Ring Transmit array – long pulses.
- Omni-directional low frequency transmission.

Receive array features

- Triplet array to instantly resolve right/left ambiguity.



OPERATIONAL BENEFITS

Detection range	Typical up to 30 km
Functions	Active & passive surveillance + analysis + audio + torpedo alert
Accuracy	<100 m ≤1°
Operational limits	Up to Sea State 6
Operating depth	Up to 230 m depth e.g. 110 m at 12 kts

TECHNICAL FEATURES

Active	Frequency	Below 2 kHz
	Bandwidth	Wide FM
	Pulse modes	FM, CW, COMBO
	Pulse length	Up to 8 s
Passive frequency		Exceeding 4 kHz

INSTALLATION / MODULARITY

Footprint	<16 m ² (incl maintenance area)
Weight	< 9 t (on the quarterdeck)
Mission Module	Optional, using ISO container

