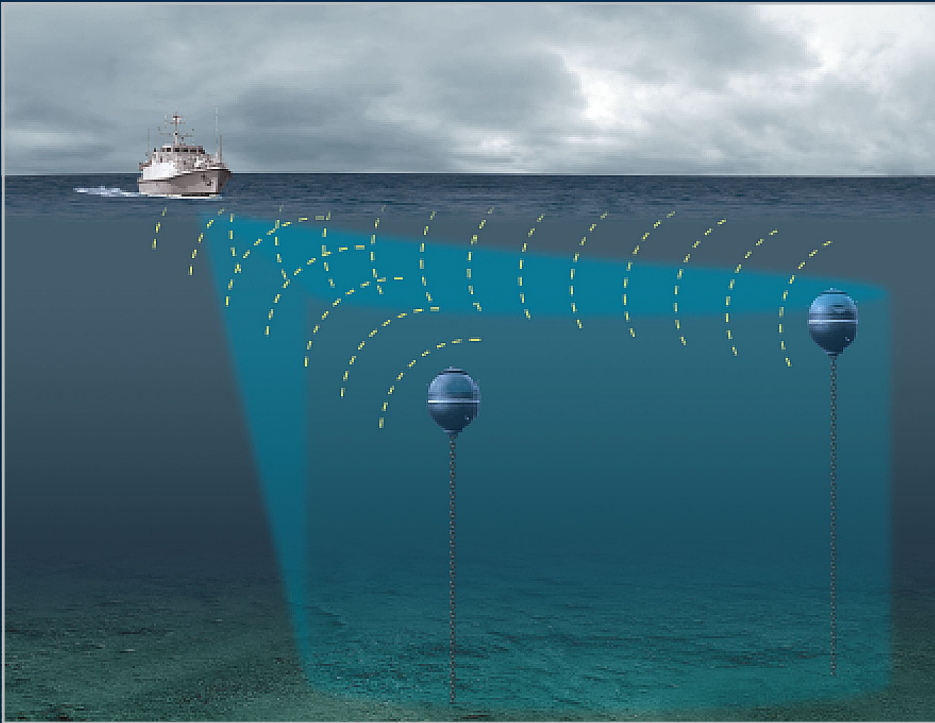


Hull Mounted Sonar

CMAS-36/39



The CMAS-36/39 (36 – 39 kHz) is designed as a multipurpose hull mounted sonar for shallow water surveillance applications. The multibeam sonar uses narrow horizontal and vertical receiving beams as well as high-speed scanning and digital processing techniques to provide instantaneous detection, classification and target data through a full 360° field of view. Sector transmission is operator selectable in 24° sectors for operation in areas such as harbours or narrow channels.

APPLICATIONS

- Coastal patrol
- Navigation aid / obstacle avoidance
- Mine countermeasures
- Search and recovery of bottom targets
- ROV/AUV tracking
- General surveillance

Hull Mounted Sonar Specifications

CMAS-36/39 Omni Sonar[®]

Modes of Operation:	OMNI [®] ACTIVE
	OMNI [®] PASSIVE
	SURVEILLANCE
	MCC (Maintenance of Close Contact)
	MCM (Enhanced Mine Detection)
	TEST
	RDT - Rotated Directional Tx (Man.)
	SDT - Steered Directional Tx (Surv.)
	CW and FM Transmission
Electronic Tilt:	+8° to -24°
Electronic Sonar RX Beam	Threshold (clutter)
	Stabilization Operator Controls:
	AGC
	Noise Reduction & Smoothing
	Sound Velocity
Display:	Seven colour
	1280 x 1024 pixel
	PPI (True north or ship's heading)
	B Scope with Target Histogram
	Surveillance
	MCM B Scope
	Zoom
Operating Frequency:	36/39 kHz
Automatic Target Tracking:	Yes
Beam Width (Vertical x Horizontal):	6° x 6°
Source Level :	223 dB (re 1µ Pa at 1m)
Output Power:	13.5 kW
Range Resolution:	1m
Target Bearing Positioning Accuracy:	0.75°
Sonar Video Record/Playback	Yes