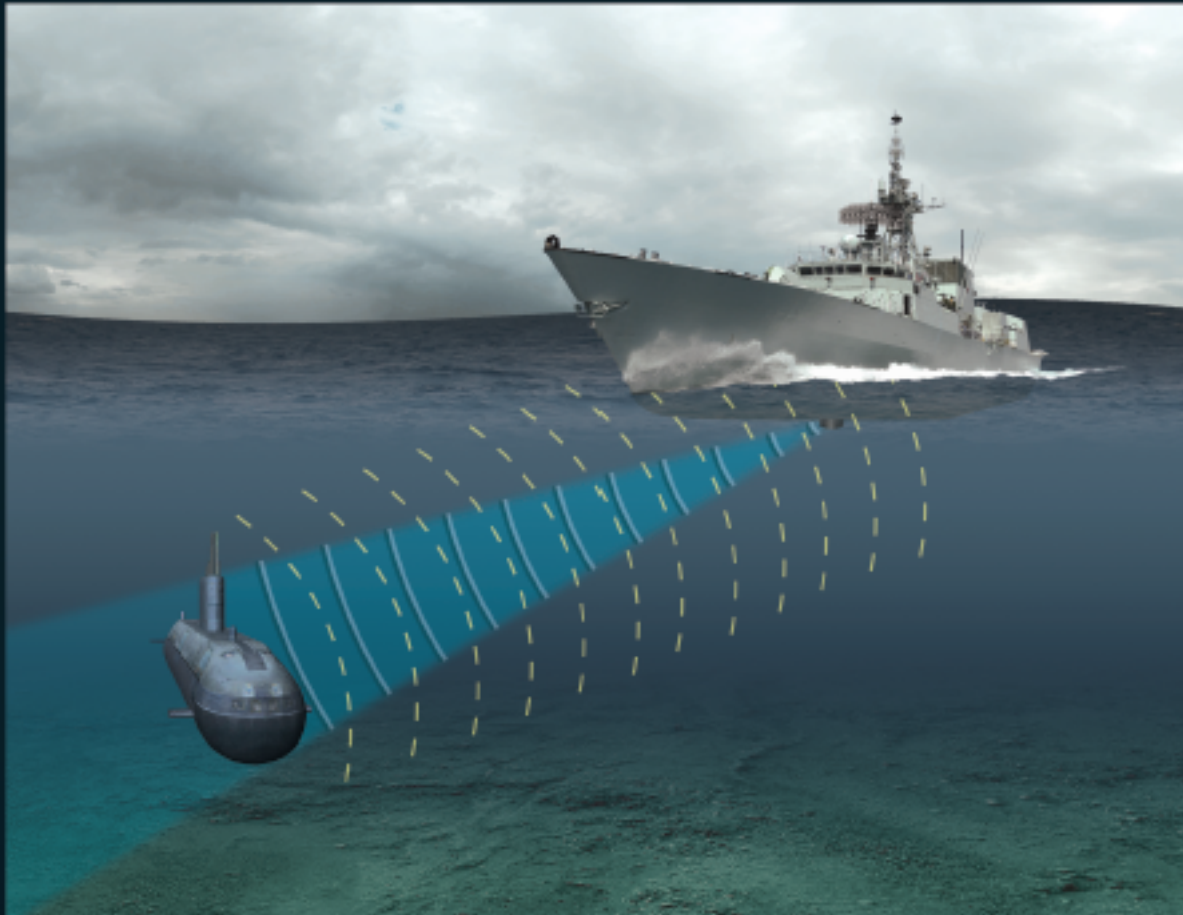


Hull Mount Sonar CTS-24



The CTS-24 is a medium-frequency (24 kHz) omni sonar designed for navies operating in shallow as well as deep water. The narrow beams maintain excellent performance in shallow water, while the operating frequency provides extended detection ranges in deep water. It integrates the hull mounted transducer with a digital transceiver to provide simultaneous active and passive digital signal processing, display processing and computer-aided target detection and tracking using CW or FM modulation.

Applications

- Shallow and deep water anti-submarine warfare
- Mine detection/avoidance (surface, moored and bottom mines)
- Mine countermeasures
- ROV/AUV tracking
- General surveillance

Hull Mount Sonar Specifications

CTS-24 Omni Sonar®

Modes of Operation:	OMNI® ACTIVE
	OMNI® PASSIVE
	SURVEILLANCE
	MCC (Maintenance of Close Contact)
	MCM (Enhanced Mine Detection)
	BITE
	RDT - Rotated Directional Tx (Man.)
	SDT - Steered Directional Tx (Surv.)
Electronic Tilt:	+8° to -24°
Electronic Sonar RX Beam Stabilization Operator Controls:	Threshold (clutter)
	Gain
	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:	24 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

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