



SAAB

9LV SAT

SENSOR MANAGER



WHAT SAFER, MORE EFFICIENT OPERATIONS
THROUGH **DATA-LINK & TACTICAL SUPPORT**
BY INNOVATION

The 9LV Situation Awareness Terminal (SAT) Sensor Manager (SM) provides cost effective real-time tactical awareness to areas of a ship which have not previously had access to this type of information.

Areas include:

- Bridge,
- Command & operations spaces,
- Electronic Warfare spaces,
- Aviation spaces, and
- Planning spaces.

Patrol vessel commanders can now interface with the rest of the force whilst front-line combatant captains know that their whole team have the latest force situation picture to work with. Bridge, operations and electronic warfare teams will find they have more time to make assessments and collaborate on maintaining the tactical picture. The Sensor Manager provides advanced capabilities while be intuitive to use, with minimal training and no additional personnel requirements

Utilising data from ship and networked sensors the situation picture is automatically synchronised over data-links to operational headquarters, other SM users and deployed assets. At the core of this powerful and flexible network hub are proven 9LV Combat Management System (CMS) software components packaged in low-cost fit-for-service hardware.

The SM supports 'plug and play' input from vessel sensors such as:

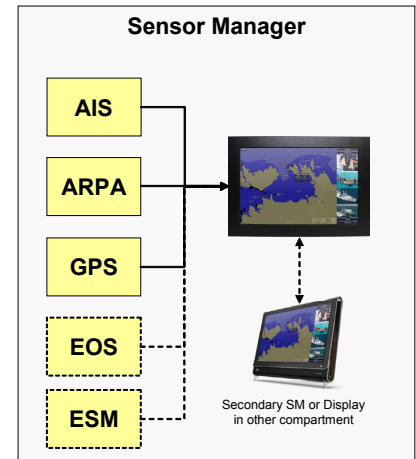
- GPS
- AIS
- ARPA
- Bearing Sources
- CMS (Optional)

As part of the networked force, the SM provides all users with access to operational support tools such as:

- Enhanced situational awareness,
- Automated data-exchange,
- Navigation & Tactical Planning tools,
- Network 'chat',
- Advanced correlation tools,
- Recording tools, and
- Geospatial tools.

9LV SAT SM provides shared situational awareness for all elements of a task group and command of organic forces at over the horizon ranges. It also allows highly responsive operational control across the force enabling a range of enhanced operating methods and tactics, resulting in safer and more efficient missions.

9LV SAT, a genuine force multiplier for the worlds navies.



KEY SYSTEM FEATURES

- Modern, intuitive Interface
- Shared Situation Awareness
- Plug & Play interfaces
- Open Standards

KEY SYSTEM BENEFITS

- Reduced workload
- Reduced training time
- Safer operations
- Low cost, low risk

Display Characteristics

Attribute	Characteristics
Display Size	19-24" Widescreen (16:10) Active Matrix TFT LCD, display size is guided by installation needs
Backlight Dimming	0-100%
Resolution range	VGA up to WUXGA
Control	Touch Panel Control
Mounting Options	VESA or Rack Mount

Computing Unit Characteristics

Attribute	Characteristics
Processor	Minimum: Intel Core Duo 1.6GHz
Memory	Minimum: 2 GB RAM
Operating System	Windows XP Professional
Signal Input Connectors	Serial Connection available for AIS, ARPA and GPS
User I/O	Minimum: 4 USB connections available for User Input and Output Ethernet

Environmental Characteristics

Attribute	Characteristics
Temperature (operating / non-operating)	5°C - +55°C / -5°C - +65°C
Humidity (operating / non-operating)	30-90% / 5-95%
Vibration	5Hz - 12Hz ± 1.6mm, 12.5Hz - 25Hz ± 0.38mm 25Hz - 50Hz ± 0.1mm
Shock	10g, 11ms
Weight: CU Display	CU: 5.3kgs Display weight is dependant on display size (indicative figure for 20" is approx 10kg)
Dimensions: CU Display	CU: 165.1W x 98.7H x 333.8D mm Display dimensions dependant on the size display selected (indicative data for 20" is 497W x 332H x 87D mm)
Power Type: CU Display	CU: 100-240VAC 50/60Hz Display: 115VAC 50/60Hz or 230VAC 50/60Hz
Power Consumption: CU Display	CU: 60W Display power consumption is dependant on display size (indicative figure for 20" is approx 100W)