



SAAB



SAAB MK4 MFC

Multi Function Console

The Saab 9LV Mk4 Multi Function Console has been developed with the operator in focus resulting in ergonomic excellence. Thanks to the large wide screen display it provides an extremely clear and distinct presentation of the tactical picture.

This together with the quick and logical human computer interaction concept, makes it most suitable for all types of naval applications.

The Saab Mk4 Multi Function Console (MFC) is part of the 9LV modular suite of solutions for Command and Control in Naval Environments. The 9LV modules are aligned with Open Architecture compliant Combat Management Systems.

The modularity of the 9LV system allows the MFC to be provided as an optimally integrated part of the 9LV Combat Management Systems, or as a stand alone product with optional 9LV software modules.

The MFC used together with the Saab 9LV system presents stunning performance, never before achieved in naval consoles. With its large wide-screen main tactical display, its state-of-the-art computer and graphics adapter and with high display update rate

of the tactical picture, movie-like presentation with smooth zooming and off centering is achieved. This way of presenting tactical information reduces the mental load of the operators as the operators do not have to reacquire the picture i.e. it saves the operator important seconds in critical situations.

The console has, from the beginning, been designed in cooperation with experienced naval officers and ergonomics expertise to provide a professional on-board workspace with a first class user interface and excellent ergonomics.

Combat Management Systems, Fire Control Systems and other subsystems can all be effectively controlled from the console.



MODULAR DESIGN

The console is also of mechanically modular design and possible to tailor to specific customer needs. Thus it can be provided with different displays and interactive devices e.g. two trackballs or joysticks and one or two weapon firing control panels. It is also provided with built-in stereo loudspeakers and audio line input and output to e.g. support IP intercom.

BASED ON COTS

The console is based on proven Commercial Off The Shelf (COTS) products, taking advantage of the development of the commercial IT market to create a truly generic multi-functional concept where all functions in a system can be controlled from one or any MFC in the system.

QUICK ACCESS WITH TID

The console is also provided with a Touch Input Display (TID) where soft-keys are organised into a menu tree ensuring quick and distinct operator access to key functionality and controls. The console layout together with Saab's vast experience in providing a Human Computer Interface adapted to the demands of a naval real time system compiles into a supreme solution to the operators.



Technical data

The console comprises:

- One or two 27-32" full-colour wide screen(s) with a resolution of up to 4K
- One 15" full-colour Touch Input Display with a resolution of 1024x768 pixels
- Latest state-of-the-art built-in computer and graphics
- An alphanumerical keyboard including a numeric keypad with backlit keys
- Up to two trackballs
- Up to two joysticks
- A weapon safety switch, firing pushbuttons and an interface for a firing pedal
- Audio line output to an intercom system or audio via built-in stereo speakers

- Status indicators
- Space for an optional control panel
- The console is available with or without desk stand

Dimensions including desk stand (HxWxD):
1345 x 720 x 910 mm

Weight: approx. 100 kg.

Power supply requirement: 115/230V at 50/60 Hz

Maximum power consumption: 500 VA.

Ambient air-cooling is standard, water-cooling is optional.

Other options are also available.

The MFC is designed and qualified for use in naval sheltered applications.

The MFC has been thoroughly tested against applicable Naval MIL specifications for e.g. Shock, Vibration, EMI, EMC.

Specifications subject to change without notice.
MFC fact sheet – ENG – ver. 1, December 2019

This document and the information contained herein is the property of Saab AB and must not be used, disclosed or altered without Saab AB's prior written consent.

Saab AB Surveillance SE-175 88 Järfälla Sweden

Tel +46 8 580 840 00

saab.com

