



RVD12-S

## VEHICLE ELECTRONICS

# Rugged Vehicle Display 12" Slim

The Rugged Vehicle Display, RVD12-S, is a multifunction display unit. The unit supports one DVI-D graphic input. The RVD12-S is adapted to the specific customer requirements but it is also prepared for future upgrades.

SAAB is able to meet specific customer needs for highly specialized products and services in a number of technical areas. Our rugged vehicle computer- and video- systems are designed to provide high levels of performance and reliability in the toughest environments. Whether your need is minimum space or maximum capability, we can provide a system to meet your specific application.



Rear view



Front view

## Main design features

The RVD12-S includes graphics blocks, driver electronics for the LCD, I/O-electronics and a power supply.

The RVD12-S is designed to be connected to an adjacent computer via DVI-D graphics ports, running in XGA resolution (1024 x 768 pixels).

Key-/touch- and status data are continuously sent via USB protocols to the adjacent computer.

For best daylight to night-vision performance, the RVD12-S is equipped with a low reflection touch screen and a TFT-display with LED-backlighting.

The RVD12-S is designed for severe environmental conditions including vibration, shock, moisture, temperature, EMI etc. in accordance to MIL-STD-810F and MIL-STD-461.

## Dimensions

Height	267 mm
Width	292 mm
Length	51 mm (excl. rear connector)
Weight	4,5 kg (approx.)

## Mechanical interface

The RVD12-S is designed to be fixed mounted in the vehicle. Normally external damping devices etc. are not required. However, in specific vehicles, external dampers could be required (please consult SAAB).

## Configuration

- 12.1" display; 1024\*768 pixels, LED-backlight
- Luminance; min 600 nit
- Luminance dimming range; 256:1
- 12 function keys
- Resistive touch screen; 8-wire, low reflection, glass-film-glass (GFG)
- Display heater
- Internal status supervisory and log
- Power input according to MIL-STD-1275
- NVIS/NVG mode; dimming range 10.000:1, red color reduction
- Computer port: DVI-D, USB, power
- Dedicated power port

## Options

- Customized connector configuration
- Further customized key-top characters and key functions
- Internal test pattern generation/ BIT functionality
- Digital video input; SAAB VDS
- CAN port
- RS232/RS422 port
- Dedicated power port
- Different types of stylus and lanyards

## Environmental

- Operating temperature: - 20°C to +71°C
- Storage temperature: - 40°C to +80°C

## Aux

- Power consumption: max 30 W (with heater max 90 W)

## Main design features

- Fully PC-compatible external interfaces
- MIL-C-38999 connectors
- Climatically sealed housing, IP65
- Easy maintenance, few parts
- Low power design
- Prepared for future functionality
- Instant start up <10 s
- The unit is equipped with three rear connectors type MIL-C-38999, series 3.

Specifications subject to change without notice

