



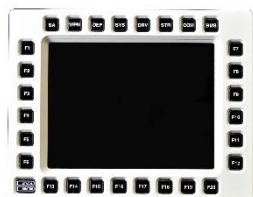
RVD6

VEHICLE ELECTRONICS

Rugged Vehicle Display 6" GVA

The Rugged Vehicle Display, RVD6, is a GVA compatible multifunction display with resistive touch panel developed for use in harsh environments according to MIL-STD-810 and MIL-STD-461. The display has dual inputs, for both computer graphics (DVI-D) and digital video over Gigabit Ethernet by configurable protocols as DEF-STAN 00-82 or SAAB digital video distribution concept VDS, and can provide a graphical user interface for controls without power of external CPU. The input channels from computer and video can be configured to be displayed individually or overlaid.

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.



Front view



Rear view

Main design features

The RVD6 is based on a TFT-display with LED-backlight technology. The unit includes video/graphics blocks, driver electronics for the LCD, I/O-electronics and power supply.

In standard configuration, the RVD6 is designed to be connected to the SAAB Rugged Vehicle Computer (RVC) via one single cable. Optionally, the unit can be customized to support digital or analogue video systems and different control interfaces and protocols.

The RVD6 includes up to 31 function keys and 2 indicators.

The RVD6 is designed and approved for severe environmental conditions including vibration, shock, moisture, temperature, EMI etc. in accordance to MIL-STD-810F and MIL-STD-461.

Mechanical interface

The RVD6 is assumed to be fixed mounted in the vehicle. External damping devices are not required.

Configuration

- 6.5" display; 1024*768 pixels, LED backlight, eight bit/colour
- Resistive touch panel; 8-wire, glassglass structure with anti-reflection and anti-glare, sunlight readable
- Luminance; dimmable up to 500 nit
- Dimming range; 256:1
- Contrast ratio; typ. 600:1 (dark ambient)
- Viewing angles; left/right/up/down min 70° @ min 10 contrast ratio
- 12 function keys and 5 specific display keys + 2 indicators
- Display heater
- Internal status supervisory and log
- 1 x Computer port; power input, DVI-D and USB

Environmental

- Operating temperature: -40°C to +60°C
- Storage temperature: -40°C to +70°C

Dimensions

Height	156 mm
Width	200 mm
Length	47 mm (excl. Rear connector)
Weight	2,1 kg (approx.)

Options

- Customized key-pad; key-characters and key-codes
- NVIS-functionality; extended dimming range; 10.000:1 and/or NVIS-graphics mode (red is suppressed)
- API for reading status and log
- Angled connectors
- Separate power input, 18-36VDC
- Digital Video according to DEF STAN 00-82 or SAAB VDS
- Customized color on request

Aux

- Power consumption: nom. 15 W, max. 60 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

Specifications subject to change without notice

