



RDC7

VEHICLE ELECTRONICS

RUGGED DISPLAY & COMPUTER UNIT, 7"

The Rugged Display & Computer unit, RDC7, is based on the PowerView 780 module from Murphy. The RDC7 integrates electronic engine, transmission and equipment information into an easy to read, full-colour display interface.

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 RDC7 includes the Murphy's PV780 OEM LCD/PCB kit, function keys and signal/power protection electronics.

The unit has both CAN and RS422 interfaces.

For best daylight to night-vision performance, the RDC7 is provided with a low reflection front glass and a TFT-display with LED-backlight.

The RDC7 can be further customized using the Murphy's PowerVision Configuration Studio software.

- D38999 connectors
- Climatically sealed housing
- Easy maintenance, few parts
- Low power design
- Prepared for future functionality

Dimensions

Height	160 mm
Width	250 mm
Depth	80 mm (inclusive connectors)
Weight	2,3 kg (approx.)

Miscellaneous

Power consumption: max. 15 W

Configuration

Standard configuration (PV780 kit)

- Microprocessor: Renesas R-Car M2, 32 Bit Arm Cortex A15, 1.5 GHz
- QNX Real-Time Operating System
- Flash Memory: 8 GB
- RAM: 512 MB DDR SDRAM
- 7" display element; 800*480 pixels, LED-backlight
- Luminance; min 600 nit
- 10 configurable function keys
- Operating Voltage: 16-32 VDC

Standard interfaces

- **J1** Power, CAN J1939, USB
- **J2** Power, RS422

External connectors

The unit is equipped with two rear connector type MIL-C-38999, series 3.

Mechanical interface

The RDC7 is designed to be fixed mounted in the vehicle. Normally external damping devices are not required.

However, in specific vehicles, external dampers could be required (please consult Saab).

Specifications subject to change without notice

Options

- Customized connector configuration
- *Note: regarding options and configurations, please contact Saab*

Environmental

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

