



RVR

## VEHICLE ELECTRONICS

# Rugged DVI Repeater

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.

The Rugged DVI/USB Repeater, RVR, is used for DVI and/or USB cable extension. The unit is self-powered; it requires power supply from the vehicle, typically via adjacent computer or display unit. Typically one RVR support up to 8 m cable length, but the unit can also be cascaded for even longer cables.

## Main design features

The RVR is a fully rugged and sealed unit developed for use in military vehicles.

The RVR has a compact design with low weight and is designed to be integrated in the vehicle cabling.

In order to work on long, thin cables, the RVR includes an internal isolated DC/DC-converter with wide input voltage range. Thus the USB power budget and signal integrity can be kept even fully loaded on the output port (VBUS).

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

## Configuration

- Power input: 12-36 VDC, isolated
- Quiescent power: < 2 W
- Power feed-through
- Support 0.5 A VBUS load
- Support USB1.1/2.0, low/full/high speed
- EMI-filters and transient suppressors included
- MIL-C-38999 connector, nickel plated
- DVI-D buffering, up to XGA resolution
- USB low to high speed buffering
- Works on thin cables
- Military connectors
- Climatically sealed housing
- Low power design

## Environmental

- Operating temperature: -40°C to +55°C
- Storage temperature: -40°C to +70°C

## Dimensions

Diameter	45 mm
Length	112 mm (exkl. connector)
Weight	0,15 kg (approx.)

## Options

- Options and customized configurations, please contact Saab

Specifications subject to change without notice

