The Rugged Vehicle Display 10" Wide, RVD10-W, is a Full-HD, GVA compatible multifunction display with resistive multitouch 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 on a mixed screen.
**Main design features**

- Fully PC-compatible external interfaces
- Climatically sealed housing, IP65
- MIL-C-38999 connectors
- Instant start-up; <10 s (DVI-D)
- Customizable keypad (on request)
- Qualified according to: MIL-STD-810, MIL-STD-461 and MIL -STD-1275

**Mechanical interface**

- RVD10-W is designed to be fixed mounted in the vehicle. External damping devices are not required.

**Configuration**

- 10.1" 16:10 display; 1920*1200 pixels
  - LED-backlight, eight bit/color
- Resistive multi-touch panel (usable with gloves and in rain)
- Dimming range; 256:1
- Viewing angles; left/right/up/down
  - min 85° @ min 10 contrast ratio
- Up to 31 function keys and 2 indicators
- Internal status supervisory and log
- Display heater
- Color White RAL1013
- Power consumption: nom. 15W, max 80W (heater active)

**Dimensions**

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<table>
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<tr>
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<tbody>
<tr>
<td><strong>Height</strong></td>
<td>200,6 mm</td>
</tr>
<tr>
<td><strong>Width</strong></td>
<td>282,6 mm</td>
</tr>
<tr>
<td><strong>Depth</strong></td>
<td>84,2 mm (incl.rear connectors)</td>
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<tr>
<td><strong>Weight</strong></td>
<td>2,5 kg (approx.)</td>
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**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
- 10.1" 16:10 display; 1280*800 pixels
  - LED-backlight, eight bit/color
- Customized color on request

**Environmental**

- Operating temperature: - 40°C to +65°C
- Storage temperature: - 46°C to +71°C

**External connectors**

- Power input: (X1) – Optional
  - Power and keyboard input
- Digital video port: (X2) – Optional
  - VDS or DEF STAN 00-82
- Computer port (X3)
  - Power input, DVI-D and USB 2.0

Specifications subject to change without notice