Serval RD40-UHD-02

Rugged 40" Display

The Roda Serval RD40 is available in different versions and can also be customized to your specification. The displays are available with and without touch screen, picture-in-picture (optional) and blackout light.

Roda Serval series
The roda Serval series facilitates operation at nearly all ambient conditions. The display comes with a robust aluminum housing and was especially designed for demanding environments. Customized mounting systems enable a wide range of applications. The remote power-on interface allows decentralized installations of display and computer.

Customizable
Are you looking for additional features and functions? MilDef specializes in customized solutions, to include change of connectors, chassis modifications, mounting solutions, etc. Contact your nearest MilDef Sales Office and we will help you tailor a solution to meet your exact requirements.

Guaranteed performance
MilDef products are designed for the long lifecycles of military programs and come with a lifetime support program to ensure your equipment maintains peak performance for many missions to come.

We also guarantee the availability of spare parts for an additional 5 years after product end-of-life.

Features
- 40" TFT display
- 16:9 format
- IR Touch
- Programable function keys

Technical Specification

Display

Display	40"TFT
Resolution (native)	3840 x 2160 (UHD)
Format	16:9
Colors	up to 16.7 million (8 bit/color)
Viewing angle	Vertical: 178° Horizontal: 178°
Contrast	4800:1
Reaction time	9,5 ms (GtoG)
Luminance	Max: 350 cd/m² Min: 0.3 cd/m²
Dimmable Backlight	Yes

Touchscreen

IR Touch
(military grade, usable with gloves)

Buttons

- 8 programable function keys
- Backlight brightness adjustment keys
- OSD Menu keys in front panel
- Mousepad with right and left mouse button

NVIS

N/A

Interfaces*

- 1x DC-In (integrated invisible mode)
- 1x Composite Video Input
- 2x USB 2.0
- 1x RD-DVI**
- 1x VGA

Audio

Stereo speaker **optional**

Housing

Aluminum

Color

Bronze green (RAL 6031 HR)

Deep Black (RAL9005 HR)

(Other colors are available at request)

Mounting

- Display mounting:
  - e.g., for vehicle installation
  - RD40-UHD Stand Unit

Other

- Grounding bolt

Technical Specification (cont.)

Size & Weight

Dimensions (W x D x H)	1009 x 617 x 120 mm (39.7 x 24.3 x 4.7 inch)
Weight	40 kg (88.2 lbs.)

Temperature Range

Operational	-20 to +40 °C (-4 to 104 °F)
Storage	-20 to +60 °C (-4 to 140 °F)

Reliability

MTBF (Ground Benign)	TBD

Power

Power input	19 V
Power consumption	TBD
Other	Delay power on/off (Press 5 sec)

Standards

CE	Yes
REACH	Yes
Environment	MIL-STD-810G IP54
EMC/EMI	MIL-STD-461G (CE102-1, RE102-4 Ground Fixed) SDIP 27 Level B **optional**

Warranty

Warranty	5 years

Customization

Need anything not included in the data sheet? MilDef products are designed to enable customization to your specific program requirements. Please contact your MilDef sales team member to find the best solution for your requirements.

Environment

Method	Operating	Storage
Temperature *501.4 + 502.4 (Procedure I, II)*	-20°C to +40°C (-4°F to 104F)	-20°C to +60°C (-4°F to 140°F)
Vibration *514.5 (Category 20)*	Fig. 514.5C-3	Fig. 514.5C-3
Shock / drop 516.6	40g, 11ms	40g, 11ms

*Other configurations possible at request.

** All RD series displays support the remote function (RD-DVI). With remote function you can turn on the RD series display and the connected MilDef laptop by only pressing the power button of the display. Also, USB device signals like keyboard and mouse, which are connected to the RD displays USB-port, will be send via the display signal to the MilDef laptop.

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