Serval RD24-FHD-01

Rugged 24" Display

The roda Serval RD24 is available in different versions and can also be customized to your specification. The displays are available with and without touch screen, as well as blackout light and NVIS functionality.

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
- 24" display
- 16:9 format
- Full HD
- Dual touch
- Programable function keys
- NVIS compatible

roda
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Serval RD24-FHD-01

Technical Specification

Display

Display	24"LED LCD
Resolution (native)	1920 x 1080 (FHD)
Format	16:9
Colors	up to 16.7 million (8 bit/color)
Viewing angle	Vertical: 178° Horizontal: 178°
Contrast	5000:1
Reaction time	25 ms (Ton+Toff)
Luminance	Max: 300 cd/m² Min: 0.3 cd/m²
Dimmable Backlight	Yes

Touchscreen

Dual 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

NVIS compatible

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
  - RD24-FHD Stand Unit

Other

- Grounding bolt

Technical Specification (cont.)

Size & Weight

Dimensions (W x D x H)	614 x 370 x 76 mm (24.2 x 14.6 x 3.0 inch)
Weight	11 kg (24.3 lbs.)

Temperature Range

Operational	-20 to +70°C (-4 to 158°F) -30 to +70°C (-22 to 158°F) w. heater
Storage	-30 to +80°C (-22 to 176°F)

Reliability

MTBF (Ground Benign)	TBD

Power

Power input	18 - 32 VDC
Power consumption	TBD
Other	Delay power on/off (Press 5 sec)

Standards

CE	Yes
REACH	Yes
Environment	MIL-STD-810G IP65
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 +70°C -30°C with heater (-22°F to 158°F)	-30°C to +80°C (-22°F to 176°F)
Vibration *514.5 (Category 20)*	Fig. 514.5C-3	Fig. 514.5C-3
Shock / drop 516.6	• N/A	• 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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