



SERVAL RD22-FHD-02

FULL-RUGGED 21.5" DISPLAY

All brilliant designs of the rugged roda RD series are MIL-STD-810, MIL-STD-461, and $\geq$ IP54 certified for use under almost all environmental conditions. As a standard model, they can operate under a temperature range of -20°C to $+55^{\circ}\text{C}$. With its remote on/off function button/interface and metal housing, the Serval series is particularly suitable when combined with a roda computer as well as for installation in protected and armoured vehicles and cabins that, due to space constraints, require a decentralised installation of computer and display. The system can be started at the touch of a button on the display. The perfect conditions for efficient operation!

The compact 21.5" panel is available in a diverse range of versions and can be customised as well. The displays with and without touch screen, picture-in-picture (optionally with military connector), as well as blackout light functionality are frequently used under tough conditions. The Serval RD22-FHD additionally convinces through its multi touch-capable Full-HD display (1920x1080) and a brightness of up to 600 cd/m^2 .

- + Full-HD LCD (1920x1080 pixel)
- + Typ. Brightness 600 cd/m^2
- + **OPTIONAL:** resistive touch screen
- + **OPTIONAL:** MIL interfaces
- + IP64
- + MIL-STD-810G
- + **OPTIONAL:** MIL-STD-461G



RD22-FHD-02

+ DISPLAY

LCD 21.5" FHD (1920x1080)
LED backlight

+ FORMAT

16:9

+ TOUCH

+ **OPTIONAL:** resistive touch screen

+ CONTRAST

5000:1

+ BRIGHTNESS

typ. 600 cd/m²

+ COLOR REPRESENTATION

Up to 16.7 million (8 bit/colors)

+ VIEWING ANGLE

vertical: ±178 °
horizontal: ±178 °

+ REACTION TIME

16 ms (T_{ON}+T_{OFF})

+ INTERFACES

2x USB 2.0
1x VGA
1x DVI (with roda display remote)
1x MIL DC-In
1x MIL camouflage function

+ **OPTIONAL:**

All connectors also available in MIL version!

+ KEYS

8 keys OSD menu

+ FUNCTIONS

Camouflage mode
NVIS compliant
Circuit breaker

+ POWER SUPPLY

18-32 V_{DC}, nominal 24 V_{DC}
Power consumption ca. 120 W with heater

+ **OPTIONAL:**

230 V_{AC} instead 18-32 V_{DC} input

+ DIMENSIONS [W×H×D]

580 x 375 x 80 mm

+ WEIGHT

ca. 13.00 kg

+ PROTECTION CLASS

IP64

+ ACCESSORIES

- carrying handles
- rugged transportation box
- rugged mounting systems
 - e.g. RD22 StandUnit
 - custom mounting on request
- Shockmount fixation, designed to meet MIL-STD-810G

MIL-STD-810G	OPERATING	STORAGE
TEMPERATURE	0 °C to +55 °C OPTIONAL: -20 °C heater	-20 °C to +70 °C
HUMIDITY	N/A	95%

EMI	OPTIONAL
MIL-STD-461G	Ground Navy



CUSTOMIZATION:

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

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