

Display

full rugged

RD24

24" display



The RD24 allows an optimal use of modern command control communication and information systems, even under hardest environmental conditions. Customised mounting systems (optional available) guarantee an wide scope of operation.

Technical specification

Display	24" LED LCD colour display with dual touch screen
Resolution	Full HD / 1920 x 1080 pixel
Format	16:9
Display colours	displays up to 16.7 million colours
Viewing angle	vertical: 178° horizontal: 178°
Contrast	5000:1
Luminance	typ. 300 cd/m ² (EMI glass might reduce the luminance)
Reaction time	25 ms (T _{on} +T _{off})
Certification	IP65, designed to meet MIL-STD-810G, designed to meet MIL-STD-461F (Navy Mobile & Army), CE EN55022 and EN55024, Product safety according to EN60950
Case	aluminium, powder coated
Colour	military green RAL 6031 HR
Dimensions	614 x 370 x 76 mm (W x H x D)
Weight	ca. 11 kg

Designed to meet:

MIL-STD-810G	operating	storage
Altitude Method 500.5	4572 m (15000 ft)	12192 m (40000 ft)
Temperature Method 501.4 & 502.4, (Prozedur I, II)	-20°C to +70°C -30°C with heater	-30°C to +80°C
Humidity Method 507.5, (Prozedur I)	Five 24h test cycles 95 %	Five 24h test cycles 95 %

only shockmounted:

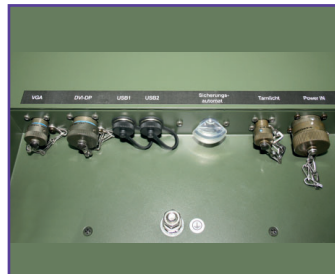
Vibration Method 514.5, Category 20	Tracked Vehicle Vibration Comp. Wheeled Vehicle Vibration All Material - minimum integrity test	Tracked Vehicle Vibration Comp. Wheeled Vehicle Vibration All Material - minimum integrity test
Shock / drop Method 516.6	N/A	40 g, 11 ms



RD24 circuit breaker switch



RD24 example for standard interfaces



RD24 example for MIL interfaces

more technical specification

- heater: operational within 30 minutes from -30°C
- OSD menu in front panel (8 keys, 2 LEDs)
- varnished fine structure
- coated filter screen
conductively coated/ Sitec 15 (< 200hm/cm²)
- power input 18-32 V_{DC}, nominal 24 V_{DC}
- grounding bolt
- circuit breaker

Interfaces

- 1x VGA
- 1x DVI
- 2x USB2.0 Downstream (Upstream only by RD-DVI)
- 1x MIL-DC-In
- 1x MIL invisible mode / door contact activation

*all interfaces are available with standard
or optional military grade connectors

All roda displays from RD series support the remote function (RD-DVI).

With remote function you can turn on the RD series display and the connected Rocky unit 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 Rocky unit.

Options

- carrying handles
- rugged transport box
- rugged mounting systems
- e.g. RD24 StandUnit
- custom mounting for on request
- Shockmount fixation, designed to meet MIL-STD-810G



roda
solid IT-solutions

Landstraße 6
77839 Lichtenau, Germany
www.roda-computer.com

Tel.: +49 (0) 72 27 / 95 79 - 0
Fax: +49 (0) 72 27 / 95 79 - 20
mail@roda-computer.com