

# MOJAVE RD22

fully rugged 22" display



**AMREL**<sup>®</sup>  
Pioneering Customized Rugged Solutions



## WHEN WHAT YOU SEE IS ABSOLUTELY CRITICAL,

you can count on the fully rugged MOJAVE RD22 display. The toughest **22-inch** display on the market, it has been independently certified for the demanding environmental standards of MIL-STDs 810 & 461. If you can survive your mission, so can the MOJAVE RD22. Available with military connectors and Night Vision features.



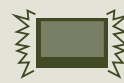
WATER



FROST



SAND



SHOCK



HEAT



DROP

## Technical specification

Display	21.5" LED LCD color display (ca. 55 cm visible screen size)
Resolution	HD1080, 1920 x 1080 pixel
Format	16:9
Display colors	Displays up to 16.7 million colors
Viewing angle	Vertical: 178° Horizontal: 178°
Contrast	1000:1
Luminance	Typ. 1000 cd/m <sup>2</sup> (EMI glass & touchscreen might reduce the luminance)
Reaction time	5 ms (T <sub>on</sub> +T <sub>off</sub> )
Certification	Designed to meet IP65 (front side), IP54 (rear/connector side) Designed to meet MIL-STD 810G, Designed to meet MIL-STD 461F (Navy Mobile & Army)
Case	Rugged steel and aluminum case
Color	Standard: military green, military grey (navy grey) (other colors on request)
Dimensions	22.05" x 13.78" x 3.15"
Weight	28.66 lbs

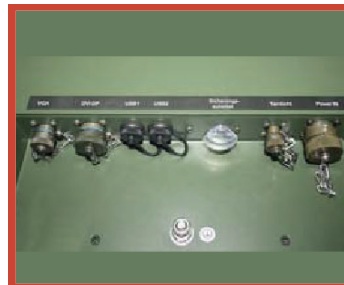
MIL-STD 810F	Operating	Storage
<b>Altitude</b> Method 500.4, (Procedure I, II)	4572 m (15000 ft)	4572 m (15000 ft)
<b>Temperature</b> Method 501.4 & 502.4, (Procedure I, II)	-20°C to +55°C (-4°F to 131°F) with heater	-20°C to +60°C (-4°F to 140°F)
<b>Humidity</b> Method 507.4	Five 25h test cycles 95 %	Five 25h test cycles 95 %
<b>Salt fog</b> Method 509.4, (Procedure I)	N/A	5 %, 35° C (95°F)
<b>Vibration</b> Method 514.5, Category 20	<ul style="list-style-type: none"> <li>• Tracked Vehicle Vibration</li> <li>• Comp. Wheeled Vehicle Vibration</li> <li>• All Material - minimum interity test</li> </ul>	<ul style="list-style-type: none"> <li>• Tracked Vehicle Vibration</li> <li>• Comp. Wheeled Vehicle Vibration</li> <li>• All Material - minimum interity test</li> </ul>
<b>Shock / drop</b> Method 516.5, (Procedure I)	40 g, 11 ms	40 g, 11 ms



MOJAVE RD22 circuit breaker switch



MOJAVE RD22 example for standard interfaces



MOJAVE RD22 example for MIL interfaces



MOJAVE RD22 back side

### More Technical Specification

- Rugged housing made of steel and aluminum
- OSD menu in front panel (8 keys, 2 LEDs)
- Varnished fine structure
- Coated filter screen
- Power Input 18-32 VDC, nominal 24 VDC
- Grounding bolt
- Circuit breaker

### Interfaces

- VGA\*
- DP-DVI\*
- 2x USB\*
- Coated filter screen
- MIL Invisible mode / door contact activation (night vision) (optional)
- AC-In\*

\* Standard connectors optional available with MIL grad connectors

### Options

- Remote key function (Power on at display for 19/2<sup>o</sup> rugged network and servers)
- Night vision function (for use with night vision goggles)
- Dim down for camouflage purpose / invisible mode
- Carrying handles
- Rugged mounting systems
  - e.g. for vehicle installation
  - custom mounting for all situations
- Rugged transportation box
- Touch screen resistive (USB)

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RESISTANT

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