

MRC24 RUGGEDIZED RACKMOUNT MONITOR

The MRC24 is a military grade 1U rackmount LCD display that was designed ground up to meet military standards such as MIL-S-901D and MIL-STD-810G harsh environment applications. The MRC24 offers three LCD panel options as well as several LCD screen enhancements, multiple video input and outputs and external power input options depending on intended applications.

FEATURES

Heavy duty Aluminum Construction— 29 lbs.

HD (1920 x 1080) resolution, 400 nit

Up to 4x Picture-In-Picture panels

120/240VAC power supply (28VDC options)

Multiple Keyboard, input and KVM options

Secure rack mounting – 17" 1U drawer

Three-year warranty



Compact and Rugged

Utilizing a lightweight frame constructed of 5052-H32 aluminum and integrated locking stainless steel hardware, and milled front panel, collapsible pull handle and captive fasteners make this LCD display extremely rugged and reliable. The MRC24 short depth allows for easy and secure mounting into 19" 4-Post equipment racks as well as transit case configurations.

Dependable

Utilizing years of expertise in industrial and Defense related applications, the MRC24 exceeds industry's expectations in rugged LCD display performance. Designed for and proven-in harsh environments, the MRC24 the is a feature packed rackmount display suitable for numerous rugged applications.

Expect More

We don't just sell rugged COTS LCD displays, RPS provides flexible product solutions that allow minor to major modifications depending on customer program requirements. By being both flexible and responsive you will need to look no further than Republic Power Systems for your rugged LCD computer needs.



MRC24 RUGGEDIZED RACKMOUNT MONITOR

Mechanical 1U	Keyboard Options
Height: 1.7" (4.3 cm)	EMI Shielded for MIL-STD 461
Width: 17.7" (44.7 cm)	LED Backlit and NVIS backlight options
Depth: 24" (59.2 cm)	Touchpad and FSR pointing USB Interface
Weight: XXX	Rubberized membrane resistant to sand, debris as well as liquid
17.3" LCD (Standard)	Video Inputs
Resolution: 1920x1080	(1x) HDMI 2.0, (3x) HDMI 1.4, (1x) Display Port 1.2 (Optional 8-port KVM)
Contrast Ratio: 600:1 (Typ)	Power Supply
Brightness: 400 cd/m2	Auto switching 120/240VAC
Operating Temp: -20 to 70C	25W (typical), 19.05W (panel)
17.3" HIGH BRIGHT LCD (OPTIONAL)	Environmental Standards (Designed to Meet)
Resolution: 1920x1080	MIL-STD-810, Operational Temperature, Method 501, Procedure I/II: 0°C to +50°C
Contrast Ratio: 600:1 (Typ)	MIL-STD-810, Humidity, Method 507: 10 to 90% , noncondensing
Brightness: 1000 cd/m2	MIL-STD-810, Vibration, Method 514, Procedure I: 10 to 58Hz, +/- 0.075mm; 58 to 500HZ, 1g
Operating Temp: -20 to 70C	MIL-STD-810, Non-Operational Temperature, Method 501, Procedure I/II: -20°C to +60°C
19" Extended TEMP LCD (OPTIONAL)	MIL-STD-810, Non-Operational Humidity, Method 507: 5 to 95% at +40°C, non-condensing
Resolution: 1280x1024	MIL-STD-810, Non-Operational Vibration, Method 514, Procedure I: 10 to 58Hz, +/- 0.15mm; 58 to 500HZ, 2g
Contrast Ratio: 1000:1 (Typ)	Electromagnetic Compatibility Standards
Brightness: 450 cd/m2	Additional LCD EMI shielding options available
Operating Temp: -20 to 70C	CE/FCC Part 15, Class A, EN 60950 Safety**



MRC24 RUGGEDIZED RACKMOUNT MONITOR ORDERING GUIDE

LCD DISPLAY:

- **Standard 17.3" (1920x1028) 400nits brightness**
- Optional 17.3" (1920x1028) 100nits brightness
- Optional 19" (1280 x 1024) 460nits brightness

LCD DISPLAY ENCHANCEMENTS:

- **Standard Optically bonded cover glass**
- Optional – Optically bonded EMI shielded cover glass
 - Optional – PCAP or Resistive touch screen
 - Optional – NVIS Backlight

VIDEO INPUT OPTIONS:

- **Standard Video Input: (1x) HDMI 1.4, (3x) HDMI 2.0 & (1x) Display Port**
- Optional - 8-Port HDMI Connector KVM with USB Keyboard and Mouse support

POWER SUPPLY:

- **Wide Range (90-264VAC) 60W MIL-SPEC external power supply with locking power connector**
 - Optional 12VAC
 - Optional 28VDC

If there is an option or feature not listed here, please reach out to us as we may have alternate product available, and or can-do minor to major modifications as well as complete ground up design work.



MRC24 RUGGEDIZED RACKMOUNT MONITOR DIMENSIONAL DRAWING

