

ML-20.1R

Military Grade 20.1" Console Display



20.1" Military Display



Features:

- High Image Quality Resolution up to 1600 x 1200 pixels
- Wide View Angle Display for ± 89 degrees
- Anti-Corrosion Housing / Fanless
- Standard AR Glass
- EMI ITO Mesh Filter Glass built-in (optional)
- Flush Rack / Rack Mount Mechanical Design
- Convenient On-Screen Display Controls
- AC Power input/ Isolation Power built-in
- Military Grade Power Connector Model D38999
- Operating Temperature -20°C to 60°C

Specification

Input :

- **VGA** : 1 x VGA (15 Pin D-Sub)
- **Video** : 5 x BNC (R,G,B,H,V) (Optional)
- **DVI** : 1 x DVI-D
- **Power Input** : 1 x AC 100~240V, Universal $\pm 10\%$ (w/D38999 Connector)

System Specification

- **Brightness** : On screen button brightness control
- **Light Sensor** : Auto brightness control
- **Plug & Play** : VESA DDC 1/2B
- **Remote Control** : Optional
- **Glass** : AR glass (vandal proof glass for optional)
- **EMI ITO Glass** : Optional, Transmittance 88%
- **Touch Screen (Optional)** : Option1: 5-wire resistive touch
Option2: 5-wire resistive touch with EMI mesh filter

Environment Compliance:

- **Operating Temperature** : -20 deg. C to 60 deg. MIL-STD 810G Method 501/502, Procedure II
- **Storage Temperature** : -40 deg. C to 70 deg. C MIL-STD 810G Method 501/502, Procedure I
- **Humidity** : 10 to 95% (Non Condensing)
- **Shock** : MIL-STD-810G Method 516.6
- **Vibration** : MIL-STD-810G Method 514.6C-3 Procedure I
- **Humidity** : MIL-STD-810G Method 507.5-7
- **Altitude** : 0 to $15,000\text{ft}$ above sea level Method 500.5 Procedure II
- **Sand & Dust** : MIL-STD-810F, Method 510.5 Procedure I
- **EMC** : MIL-STD-461E, shown as the table next page

Panel Specification :

- **Size/ Type** : 20.1" LED Backlight
- **Resolution** : 1600 x 1200 @60Hz
- **Brightness** : 300 (typ.)
- **Contract Ratio** : 1000 : 1 (typ.)
- **Viewing Angle** : $-88^{\circ}\sim 88^{\circ}$ (H) ; $-88^{\circ}\sim 88^{\circ}$ (V)
- **Max. Colors** : 16.7M (8bits/colors)
- **Display Area** : 408.0 (H) x 306.0 (V)
- **Pixel Pitch** : 0.255 (H) x 0.255 mm (V)
- **Synchronization Range** : Horizontal: 31.5~80.0kHz, Vertical: 60~75 Hz

Power Specification:

- **Power Consumption** : 60 W (typ. under normal operation)
- **Power Management** : VEDA DPMS Compliant
- **Power Input** : 1 x AC 100~240V, Universal $\pm 10\%$ (DC 24V $\pm 10\%$ for optional)

Accessories :

- **Power Cable** : Military Grade 3 Pin Power Connector (conn. Type JY27466)
- **Document** : 1600 x 1200 @60Hz
- **Cables** : 1 x DVI shielding cable 2 meters
1 x VGA shielding cable 2 meters
- **Cables(Optional)** : 1 x Touch RS232 cable 1.8 meters
1 x RS232 remote control cable 1.8 meters
1 x Power Input cable 1.8 meters