

# Rugged Military LCD

Rugged Mil Spec Monitor 12.1" LCD Monitor RGB Input, 550nits, 800 x 600, sealed to IP67 /NEMA 6 Standard, (8-36 VDC), -30C to 70C (-22F to 158F). 550nits, including Flush Mount bezel, and Resistive Touch Screen USB controller. External cables are not included (Pin out will be provided)

**Model: DMM12000R-TBF**



On today's digital battlefield, rugged hardware must be designed to operate in any environment. iTech designs and manufactures highly reliable military COTS displays that meet and exceed key military specifications including MIL-STD-461, MIL-STD-810 and MIL-STD-1275.

## Standard Features

- (1) Analog RGB Video Input
- SVGA Resolution (800x600)
- Auto Scaling VGA to UXGA
- MIL-C Connectors\*
- LED Backlight (3000:1 Dimming Ratio)
- Anti-Reflective and Anti-Glare Treatments
- Enhanced Sunlight Readability
- IP67/NEMA 6 Enclosure
- Tactile Buttons
- 6.5", 8.4", 10.4", 12.1" and 15.0" TFT AM LCD
- MIL-STD-461 Compliant
- MIL-STD-810 Compliant

## Optional Features

- Analog Resistive Touch Screen
- XGA Display Resolution (1024x768)
- NVIS MIL-STD-3009 Red/Green Compatible



\* - Please note cables not included.

## Standard



Panel Mount



RAM Mount



Flush Mount



RACK Mount

## Options



## Specifications

LCD Size	Resolution	Nits	Viewing Angle	Contrast Ratio	Maximum Power Consumption
12.1" TFT AM LCD	SVGA (800x600)	550 nits	160° (H) x 140° (V)	600:1	20 Watts
<b>Technical Specifications</b>					
Display	8-bit color, 16,777,216 colors				
Dimming Ratio	3000:1				
Video Input	RGB				
Connectors*	MIL-C Connectors				
Housing	Milled AL, Black Hard Anodized				
Mounting	Flush, Panel, Rack or RAM Mount				
Wide Range DC Power Input	10-36 VDC (12,24,28 VDC nominal)				
Power Conditioning	Protected against Internal Short Circuit, Load Dump, Over Voltage and Reverse Polarity				
<b>Environmental Specifications</b>					
IP Rating	IP67 (NEMA 6 Submersible)				
Operating Temperature	-40°C to 70°C (-40°F to 158°F)				
Storage Temperature	-50°C to 80°C (-58°F to 176°F)				
Humidity	0-100%				
Altitude	45,000 ft.				
<b>Military Specifications</b>					
MIL-STD-461	EMI				
MIL-STD-810	Method 501.4 II-Op; High Temperature				
MIL-STD-810	Method 502.4 II-Op; Low Temperature				
MIL-STD-810	Method 514.5; Procedure I, General Vibration				
MIL-STD-810	Method 516.5; Procedure I, Functional Shock				
MIL-STD-1275D	Vehicle Power Requirements				
MIL-STD-3009	Optional NVIS Compatibility				
MIL-PRF-22885	Sunlight Readability for Push Buttons				
MIL-A-8625 Type III (Class 1 & 2)	Standard Finish				
MIL-PRF-22750F	Optional Painted Finish - Min. Qty Required				
MIL-DTL-26482	Connector (Qualified)				
MIL-DTL-38999	Connector (Qualified)				

## Mechanical Drawings

NO DRAWINGS AVAILABLE AT THE MOMENT

