

# MPM12 - 12" PANEL MOUNT LCD DISPLAY

*Rugged System Built for Extreme Environments*

The rugged MPM12 is a rugged 12" widescreen LCD with a full on screen display (OSD). The screen is built with anti-reflective glass and has a native resolution of 1280 x 800. The rugged MPM1201 is shock mounted and has been tested to meet DO-160E standards.



**CUSTOM BUILT  
RUGGED DISPLAY**



**MISSION-READY PANEL MOUNT**

- ▶ SUNLIGHT READABLE
- ▶ MOUNTING/POWER OPTIONS
- ▶ HD LCD
- ▶ MIL-SPEC TESTED
- ▶ BUILT IN THE USA



**unitronix**  
THE EMBEDDED EDGE

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The SWaP-Optimized MPM12 utilizes 5U height and has a max weight of four pounds. With an industry-leading rugged design, this 12" widescreen LCD is perfect for missions of all kind. Our LCDs go under rigorous MIL-Spec testing to ensure the highest quality ensuring the MPM12's ability to thrive in a variety of applications on the ground, in the air and out at sea.

**For more info on the MPM12 12" LCD display, please visit [www.core-systems.com](http://www.core-systems.com)**

# MPM12 - 12" PANEL MOUNT LCD DISPLAY

## TECHNICAL SPECIFICATIONS

MECHANICAL	Height - 7.5 in (19.05 cm) Width - 12 in (30.48 cm) Depth - 2.35 in (5.95 cm) Weight - 4 lbs (1.81 kg)
DISPLAY SIZE	12" HD LCD
RESOLUTION	1280 X 800
DISPLAY INPUT	DVI-D x 2 MIL-Circular Power Connector
OSD	Contrast/Brightness, Autosetting, Clock/Phase, Horizontal/Vertical, Position/Expansion/OSD, Text/Graph, Mode Selection, Color Temperature
POWER	50W 18-36V DC

## ENVIRONMENTAL SPECIFICATIONS

OPERATIONAL TEMP.	MIL-STD-810F, Method 501.5 Procedures I/II; -15°C to +55°C
STORAGE TEMP.	MIL-STD-810F, Method 501.5, Procedures I/II; -55°C to +85°C
HUMIDITY	MIL-STD-810F, Method 507.4; 48 Hour, 95% RH 40-65C (with conformal coat option)
ALTITUDE	MIL-STD-810F, Method 500.4; 12,500ft operation with 40,000ft transport
VIBRATION	MIL-STD-810G, Method 514.6 Procedure I; 4.43 GRMS, 5-20000Hz, 60min/axis
SHOCK	MIL-STD-810G, Method 516.6, Procedures I/V; 20g, 11msec - functional shock; 40g, 11msec crash hazard shock
OTHER	MIL-STD-461F CE & RE emissions (with 461 filter option)



### ABOUT US

Core Systems is a premier manufacturer of best-in-class rugged computers and rugged displays. We design and manufacture all of our products in Poway, California. Our 65,000+ square foot facility features onsite engineering, assembly, and testing along with a complete metal fabrication and machining facility. Our wide range of rugged products are deployed in ground vehicles, aircraft, and maritime installations worldwide.