

# MP20 - 20" PANEL MOUNT LCD DISPLAY

## *Rugged System Built for Extreme Environments*

The rugged MP20 is a rugged 20" panel mount LCD with a full on screen display (OSD). The screen is built with anti-reflective glass and has a native resolution of 1600 x 1200. The MP20 is complete with a full on screen display and 8 or 16 port integrated KVM.



### CUSTOM BUILT RUGGED DISPLAY

#### **WIDESCREEN PANEL MOUNT**

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



The rugged MP20 is shock mounted and has been tested to meet DO-160E standards. Our LCDs go under rigorous MIL-Spec testing to ensure the highest quality. The SWaP-Optimized MP20 utilizes 8U height and is less than 4 inches deep. With an industry-leading rugged design, this 20" panel mount LCD is perfect for missions of all kind.

**For more info on the MP20 20" LCD display, please visit [www.core-systems.com](http://www.core-systems.com)**

# MP20 - 20" PANEL MOUNT LCD DISPLAY

## TECHNICAL SPECIFICATIONS

MECHANICAL	Height - 14.00 in (35.56 cm) Width - 19.00 in (48.26 cm) Depth - 3.13 in (7.95 cm) Weight - 29 lbs (13.15 kg)
DISPLAY SIZE	20.1" HD LCD
RESOLUTION	UXGA 1600 x 1200
DISPLAY INPUT	Standard D-sub 15-pin VGA DVI-D x 1
OSD	Contrast/Brightness, Autosetting, Clock/Phase, Horizontal/Vertical, Position/Expansion/OSD, Text/Graph, Mode Selection, Color Temperature
POWER	Input Line Voltage: 90 ~ 240-VAC Input Frequency: 47 ~ 63-Hz Maximum Peak Power: 105-Watts

## 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)

**CORE SYSTEMS**  
ENGINEERED TO PERFORM

### 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.