CORE SYSTEMS



RUGGED MPM12 DISPLAY

Military-Grade Rugged Display

The **Rugged MPM12** is a rugged 12-inch military-grade display engineered for reliable operation in airborne, ground, and maritime environments. Built with a lightweight aluminum chassis, optically bonded anti-reflective glass, and shock-mounted construction, it delivers dependable performance in demanding defense, aerospace, and industrial applications. Its compact 5U form factor is ideal for mission-critical deployments where durability and reliability are essential.

Featuring a high-brightness 1280 x 800 LCD with up to 1000 nits of luminance, the MPM12 provides excellent visibility in challenging lighting conditions. Configurable video inputs, touchscreen capability, and multiple interface options offer flexibility across a wide range of platforms, while its passive cooling design ensures reliable performance in harsh environments.

- Application-specific design
- Tested to meet military standards
- Built in the USA

Featured Specifications

Dimensions
Height: 7.50” | **Depth:** 2.34“ | **Width:** 12.00”

Display
12" LCD with a full OSD

Resolution
1280 x 800

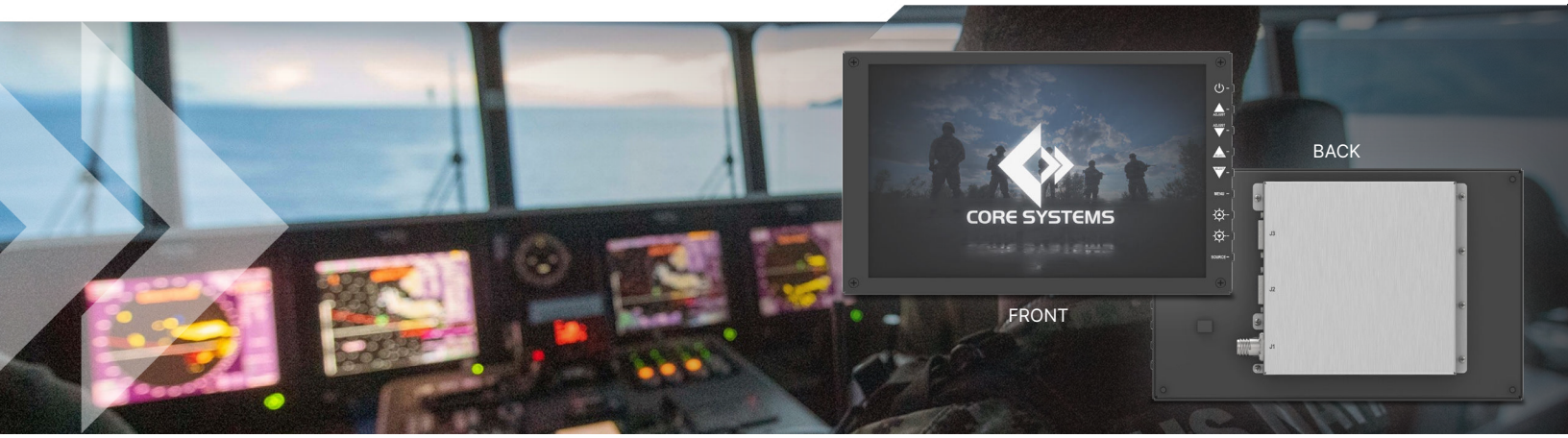
Display Input
RGB/DVI/HDMI/HD-SDI/S-Video
Composite (Configurable)

Power
Power options available

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Technical Specifications

Dimensions
Height: 7.50inches, Width: 12.00 inches, Depth: 2.34 inches
Weight: 4.00 lbs

Display
12" LCD with a full OSD

Resolution
1280 x 800

Display Input
RGB/DVI/HDMI/HD-SDI/S-Video/Composite (Configurable)

Power
Power options available

Brightness
1000

Chassis
Lightweight aluminum chassis

Environmental Specifications

Operational Temperature
-15°C to +55°C; MIL-STD-810F, Method 502.4 Procedure II (Low Temperature) and Method 501.4 Procedure II (High Temperature)

Storage Temperature
-55°C to +85°C; MIL-STD-810F, Method 502.4 Procedure I (Low Temperature) and Method 501.4 Procedure I (High Temperature)

Humidity
MIL-STD-810F, Method 507.4: 95% RH, 48 hours at 40 – 65°C

Altitude
MIL-STD-810F, Method 500.4: 12,500 ft operation; 40,000 ft transport

Vibration
MIL-STD-810G, Method 514.6: 4.43 GRMS, 5-20000Hz, 60 min/axis

Shock
MIL-STD-810G, Method 516.6: 20g, 11ms functional; 40g, 11ms crash hazard

EMC
MIL-STD-461F: CE & RE emissions

Work With Core Systems Today

Core Systems designs and builds rugged servers, displays, mission computers, and integrated cabinet solutions for military and industrial applications. From our 85,000 sq. ft. San Diego facility, we deliver cutting-edge, durable computing solutions for mission-critical needs.

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