CORE SYSTEMS



RUGGED MPM24 DISPLAY

Military-Grade Rugged Display

The **MPM24** is a rugged 24-inch MIL-SPEC LED display designed for mounting in-vehicle or trailer and engineered for demanding military and industrial environments. With a 1920 × 1080 resolution, 550-nit brightness, and support for 16.7 million colors, it delivers sharp, high-contrast visuals. The display includes integrated stereo speakers and configurable input options including RGB, DVI, HDMI, HD-SDI, S-Video, and Composite for broad system compatibility.

Designed for rack or optional desk or bulk mounting, the MPM24 features a sealed, SWaP-optimized enclosure measuring 15.72″ × 22.63″ × 3.00″ and weighing 24 lbs. Built to withstand harsh environments, it provides reliable performance for in-vehicle, trailer, and field-deployed applications, making it ideal for defense, aerospace, and industrial operations that demand durable, high-resolution display performance.

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

Featured Specifications

Dimensions
Height: 15.72” | **Depth:** 3.00“ | **Width:** 22.63”

Display
24” HD LCD

Resolution
1920 x 1080

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

Power
Power options available

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Technical Specifications

Dimensions
Height: 15.72 inches, Width: 22.63 inches, Depth: 3.00 inches
Weight: 24.00 lbs

Display
24" HD LCD

Resolution
1920 x 1080

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

Power
Power options available

Brightness
550

Protective Glass
Anti-reflective, optically bonded

Color Depth
16.7M

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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