CORE SYSTEMS



RUGGED 2U MLD-2 DISPLAY

Military-Grade Dual Rackmount Display

The rugged **MLD-2** from Core Systems features dual 19″ LCD displays arranged side-by-side in a 2U-high rackmount chassis, designed for high-performance use in tactical and industrial environments. Each display supports independent video input via DVI and VGA connections, with optional touchscreen functionality, anti-reflective glass, and EMI shielding available for enhanced field adaptability.

Built into a 20-inch-deep enclosure and delivering 1920 × 1080 native resolution per screen, the MLD-2 is engineered for use in harsh operational conditions. It meets MIL-STD environmental and EMI compliance standards and is SWaP-optimized for defense, aerospace, and mission-critical applications where horizontal dual-display functionality and rugged reliability are essential.

- Dual 19" side-by-side configuration LCDs
- Tested to meet military standards
- Built in the USA

Featured Specifications

Dimensions
Height: 3.50″ | **Depth:** 20.00″ | **Width:** 19.00″

Display
2x 19″ HD LCD Displays

Resolution
Full HD 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: 3.50 inches, Width: 19.00 inches, Depth: 20.00 inches
Weight: 28.00 lbs

Display
2x 19" HD LCD

Resolution
Full HD 1920 x 1080

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

Power
Power options available

Brightness
400+ Nits

Color Depth
16.7M

Chassis
Lightweight aluminum chassis

Enviromental 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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