CORE SYSTEMS



RUGGED MPN17 DISPLAY

Military-Grade Rugged Display

The **MPN17** is a rugged 17-inch Full HD panel mount LCD display built for reliable performance in demanding military, industrial, and tactical environments. With a 1920 × 1080 resolution and optional 8- or 16-port integrated KVM configurations, it delivers sharp visuals and efficient control for mission-critical systems. The compact 8U design, less than 2 inches deep and weighing 14.2 lbs, makes it ideal for tight installations.

Shock-mounted and tested to DO-160E, MIL-STD-810F/G, and MIL-STD-461F standards, the MPN17 withstands vibration, shock, humidity, and temperatures from –15 °C to +55 °C, operating at altitudes up to 12,500 ft and transportable to 40,000 ft. Durable and dependable, it is ideal for defense, aerospace, and industrial applications requiring rugged, high-performance display technology.

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

Featured Specifications

Dimensions
Height: 12.00" | **Depth:** 1.90" | **Width:** 17.24"

Display
17" HD LCD

Resolution
1920 x 1080

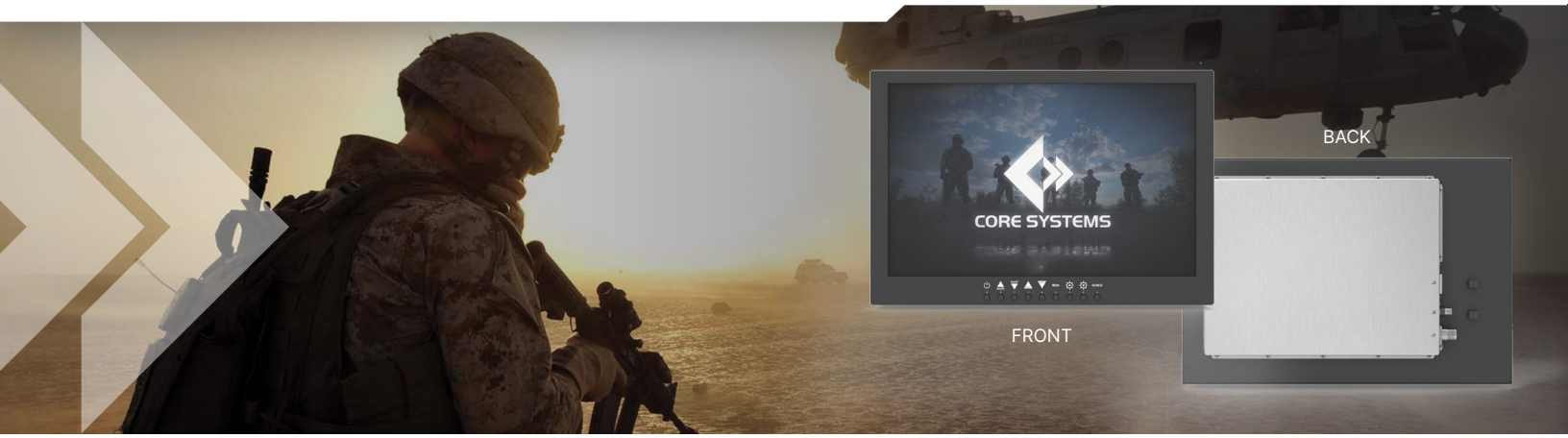
Display Input
RGB/DVI/HDMI/HD-SDI/S-Video
Composite (Configurable)

Power
Power options available

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Technical Specifications

Dimensions
Height: 12.00 inches, Width: 17.24 inches, Depth: 1.90 inches
Weight: 14.20 lbs

Display
17" HD LCD

Resolution
1920 x 1080

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

Power
Power options available

Brightness
250

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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