

MMxx Small-Sized

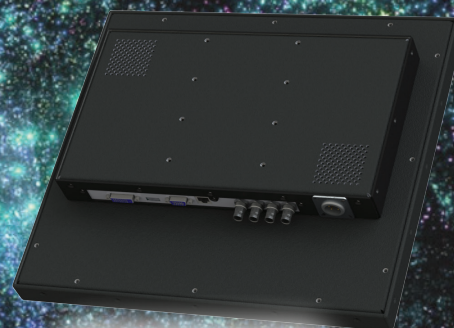
Small Military Monitor Flex Mount



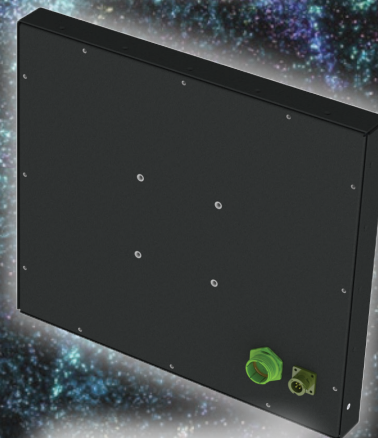
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IP67 Front



IP53 Back



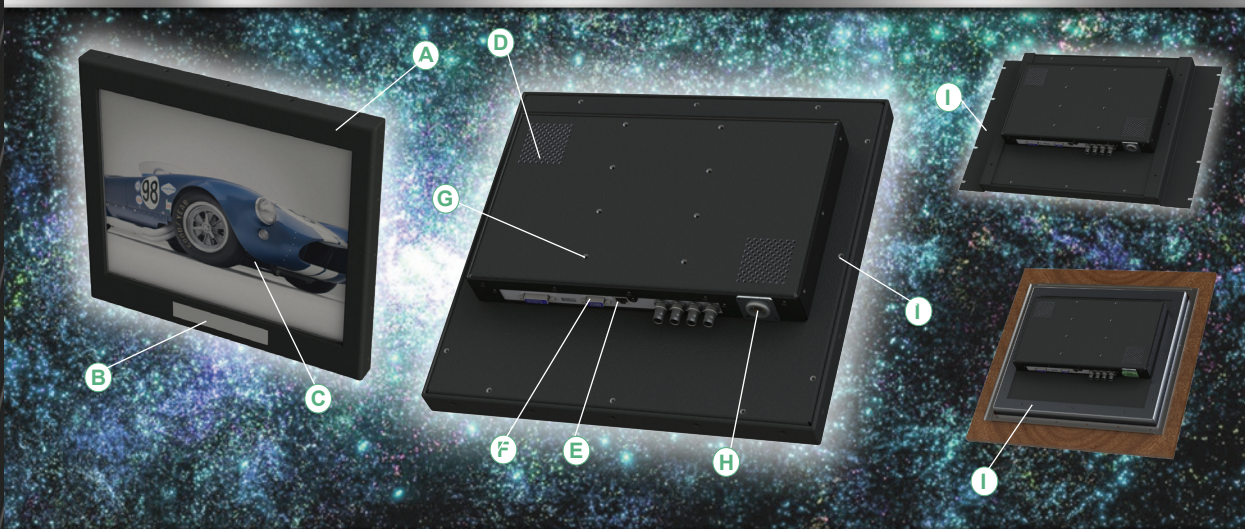
IP67 Back

MMxx

Military Monitor Flex Mount

Our Military Monitor was designed from the ground up to meet the rugged environmental requirements. It can be built with an IP67 Front Face with IP53 Back for general rugged use or full IP67 for sealed applications. It comes standard with an Optically Bonded Lens. It has optional High Bright Backlit LCD Monitor, ITO, PCAP touch, Heated Lens, and NVIS Backlight system. It was designed to meet many MIL Spec standards off the shelf but if you have a specific standard you need met, we can customize it to any level. It is Built from 5052H32 and 6061T6 Aluminum that is Laser Cut and Milled to a precise standard. The internal Components are Conformally Coated and each connection is protected with dielectric grease to prevent corrosion. Its Flex Mount system includes VESA, RACK, Panel Mount and Flush Mounting options. Exact Precision has gone into every design feature of this unit to make it one of the best monitors in the industry, and worthy of becoming a true Military Monitor (MM).

SERIES MMxx Military Monitor Flex Mount



FEATURES

- A** Welded & Milled Aluminum Housing
- B** Water Tight OSD Menu Membrane Switches
- C** Optically Bonded and High Bright LCD Screen
*Optional Lens Enhancements Available
- D** Forced Air Cooling
*IP65 Cover Shrouds Not Shown
**IP67 Optional Sealed Back Available
- E** Conformally Coated Electronics
* Multiple Coating Options to Choose From
- F** Multiple Controller Cards to Choose From Giving Flexibility to your I/O Needs.
- G** 2 Sets of VESA Hole Positions
- H** Power Inlet Plate Design:
*Gives You Multiple Power Inlet Options
- I** Flex Mount Hole Pattern:
*Fits Direct Panel Mount,
**Rack Mount Ears
***Flush Mount Cradle

WHY CHOOSE

- Rugged All Aluminum Construction
- High Bright Daylight Viewable
- Optical Bonded Cover Glass
- IPXX Design Options
- Flex Mount Design Technology

OPTIONS

- Multiple Lens Enhancement available Including: ITO Lens, Heated Glass, PCAP Touch, NVIS Backlight
- Optional Flex Mount Kits Available
- Choice of conformal Coating Techniques

LCD MODULES

15 (M1, M2, M3) XGA1024 x 768 (Max Res)

- 15" LED Backlit LCD
- Viewing Angles: 70/70/60/60
- Contrast Ratio: 700:1
- Brightness: 500 NITS (1500+ NITS M2/M3)
- Response Time: 16ms
- Surface Finish: AR Coated 3mm Optically Bonded Lens
- Color: 6 bit Plus
- Optical Bonding
- ITO EMI Lens Enhancement
- NVIS Night Vision Mode (M3)

LCD MODULES

17 (M1, M2, M3) SXGA 1280 x 1024 (Max Res)

- 17" LED Backlit LCD
- Viewing Angles: 80/80/60/80
- Contrast Ratio: 800:1
- Brightness: 350 Nits (1000+ NITS M2/M3)
- Response Time: 15ms
- Surface Finish: 3mm AR Coated Optical Bond Lens
- Color: 8 Bit
- Type: TN
- Optical Bonding
- ITO EMI Lens Enhancement
- NVIS Night Vision Mode (M3)

173 (M1, M2, M3) FHD 1920 x 1080 (Max Res)

- 17.3" Wide LED Backlit LCD
- Viewing Angles: 60L/60R/50U/50D
- Contrast Ratio: 500:1
- Brightness: 800+ NITS
- Response Time: 8ms
- Surface Finish: AR Coated Optically Bonded Lens
- Color: 6 bit + FRC
- Type: TN
- Optical Bonding
- ITO EMI Lens Enhancement
- NVIS Night Vision Mode (M3)

19 (M1, M2, M3) SXGA 1280 x 1024 (Max Res)

- 19" LED Backlit LCD
- Viewing Angles: 85/85/80/80
- Contrast Ratio: 1000:1
- High Bright: 700 NITS (1600+ NITS M2/M3)
- Response Time: 10 ms
- Surface Finish: 3mm AR Coated Optical Bond Lens
- Color: 8 Bit
- Type: TN
- Optical Bonding
- ITO EMI Lens Enhancement
- NVIS Night Vision Mode (M3)

201 (M1, M2, M3) XGA1024 x 768 (Max Res)

- 15" LED Backlit LCD
- Viewing Angles: 85/85/85/85
- Contrast Ratio: 1400:1
- Brightness: 260 NITS (900+ NITS M2/M3)
- Response Time: 15ms
- Surface Finish: AR Coated 3mm Optically Bonded Lens
- Color: 6 bit Plus
- Optical Bonding
- ITO EMI Lens Enhancement
- NVIS Night Vision Mode (M3)

*Additional LCD Options Available

VIDEO CONTROLLERS

- **V25x Embedded A/D Controller (Production)**
Max Resolution: 1920 x 1200
Input Options Available: VGA, HDMI, DVI or DP
- **V23xM Full Size Military Grade Controller (New)**
Max Resolution: 1920 x 1200
Input Options Available: VGA, DVI, HDMI, YPbPr, 3G SDI
Special Features Include: Dual Digital PIP
- **V37xM Controller**
Max Resolution: 1920 x 1200
Input Options Available: VGA, HDMI, DVI, Display Port, SDI, CVS, and YPbPr (3 Max for Mil-Spec Connectors)
Military Grade
Conformal Coated
Designed to meet Shock and Vibration Requirements



SERIES: MM DISPLAY: xx CONTROLLER: V23xM Custom PN: XXXXX Revision: XX

15M1, 15M2, 15M3, 17M1, 17M2, 17M3,
173M1, 173M2, 173M3, 19M1, 19M2,
19M3, 201M1, 201M2, 201M3

V25x, V37xM

► Custom Options Available On All DIT Models

SPECIFICATIONS

- Dimensions: Varies
- Weight: Varies
- Power Consumption: ~25 to 50 watts
- Shipping Weight: Varies
- Sipping Dimensions: Varies

Values are approximate and vary based on configuration



DIT: Display Integration Technologies | The Worlds Most Configurable Monitors
1357 Rocky Point Drive, Oceanside CA 92056 | 760.599.9225 | www.DITHD.com



MILITARY SPECIFICATIONS



MIL SPECIFICATIONS

Panel is DTM (DESIGNED TO MEET) the following Mil Standards. Mil Spec must be disclosed during the quoting process to pick the components to meet that spec.

TERMS & CONDITIONS

*Unit will meet Mil-Spec testing when Mil-Spec testing is purchased through 2s2 / DITHD.

Environmental Specifications

Milspec units are built to meet certification is performed on request and at an additional expense. Please consult with your sales engineer for details.

Operational Temperature Range: MIL-STD-810F/G, Method 501.5, Procedures I/II; -10C to +50C

Storage: MIL-STD-810F/G, Method 501.5, Procedures I/II; -40C to +75C

Humidity: MIL-STD-810F/G, Method 507.4; 48 hour, 95% RH 40-65

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

Vibration: MIL-STD-810F/G, Method 514.6 Procedure I; 4.43 GRMS, 5-20000Hzz, 60min/axi

Shock: MIL-STD-810F/G, Method 516.6, Procedures I/V; 20g, 11msec functional shock; 40g 11msec crash hazard shock

Other: MIL-STD-461F/G CE102 & RE102;





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Mechanical Drawings



Mechanical drawings and 3D Solid Models are available upon request. Contact your sales representative for details.



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