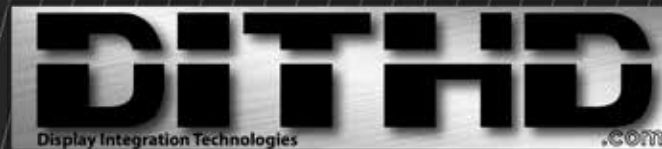


MMxx Mid Sized Military Monitor Flex Mount



WWW.DITHD.COM



IP65 Front



IP53 Back



IP65 Back

MMxx Mid Sized 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 IP65 Front Face with IP53 Back for general rugged used or full IP65 for sealed applications. It comes standard with an Optically Bonded Lens. It has optional High Bright Backlit LCD Monitor, ITO, PCAP touch, and NVIS Backlight system. It was design 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. Exacting 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).

MMxx Mid Sized 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** 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 Options
*** Flush Mount Cradle
- J** IP67 Mil Spec I/O Plate:
* Customizable Inputs

WHY CHOOSE

- Rugged All Aluminum Construction
- IPXX Design Options
- Rack and Flex Mount Design Technology

OPTIONS

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

Video Inputs Available*

- | | | |
|--------|-------------|----------------|
| • VGA | • YPbPr | • 3G-SDI |
| • DVI | • Composite | • Display Port |
| • HDMI | • S-Video | |

*Not all ports are available on all AD cards.
Check I/O for each Video Controller Offered

LCD MODULES

238M1 4K 3840x2160 (Max Res)

- 23" LED Backlit LCD
- ITO EMI Lens Enhancement
- Viewing Angles: 89L/89R/89U/89D
- Contrast Ratio: 1000:1
- Brightness: 350 NITS
- Response Time: 14ms
- Surface Finish: AG Coated 3mm Lens
- Color: 10 bit, 1.07B Colors
- Color Gamut: 98% NTSC
- Operating Temp: -10°C to 50°C
- Storage Temp: -40°C to 75°C

270M1 4K 3840x2160 (Max Res)

- 27" LED Backlit LCD
- ITO EMI Lens Enhancement
- Viewing Angles: 89L/89R/89U/89D
- Contrast Ratio: 1000:1
- Brightness: 800 NITS High Bright
- Response Time: 16ms
- Surface Finish: AR Coated 3mm Optically Bonded Lens
- Color: 10 bit, 1.07B Colors
- Color Gamut: 94% NTSC
- Operating Temp: -10°C to 50°C
- Storage Temp: -40°C to 75°C

*Additional LCD Options Available

VIDEO CONTROLLERS

- **V34x High End 4K Controller (Production)**
Max Resolution: 4096 x 2160
Input Options Available: HDMI 2.0, HDMI1.4, DVI-I Dual Link or Display Port 1.2. Integrated Ethernet, RS-232, and I2C For command and Control
- **V36x Mid Grade 4K Controller (New)**
Max Resolution: 4096x2160 60Hz
Input Options Available: HDMI 2.0, Display Port 1.2, RS-232 for Command and Control.



SERIES: MM DISPLAY: XX Custom PN: XXXXX Revision: XX

238M1, 238M2, 270M1, 270M2,

► Custom Options Available On All DIT Models

SPECIFICATIONS

- Dimensions: TBD
- Weight: TBD
- Power Consumption: ~80 to 110 watts
- Shipping Weight: TBD
- Sipping Dimensions: TBD

Values are approximate and vary based on configuration



DITHD: 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

TERMS & CONDITIONS

*Will meet Milspec specifications when purchased through 2s2.

Environmental Specifications

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

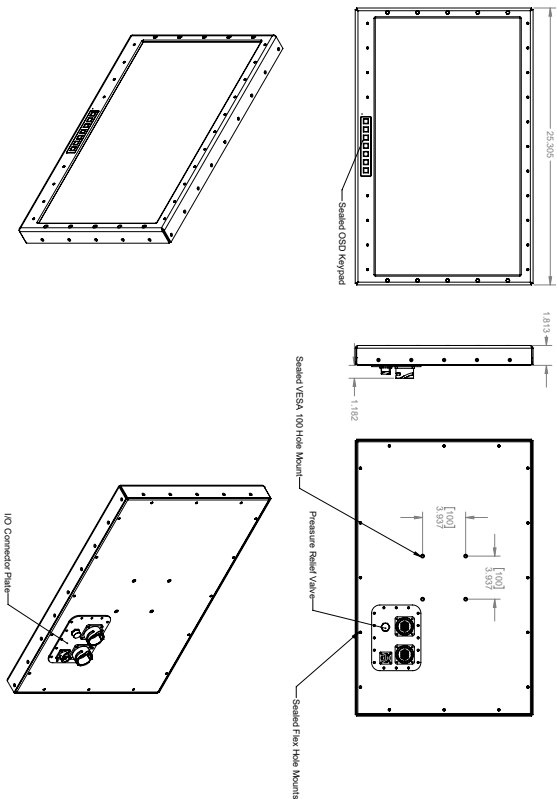
Other: MIL-STD-461F/G CE102 & RE102;



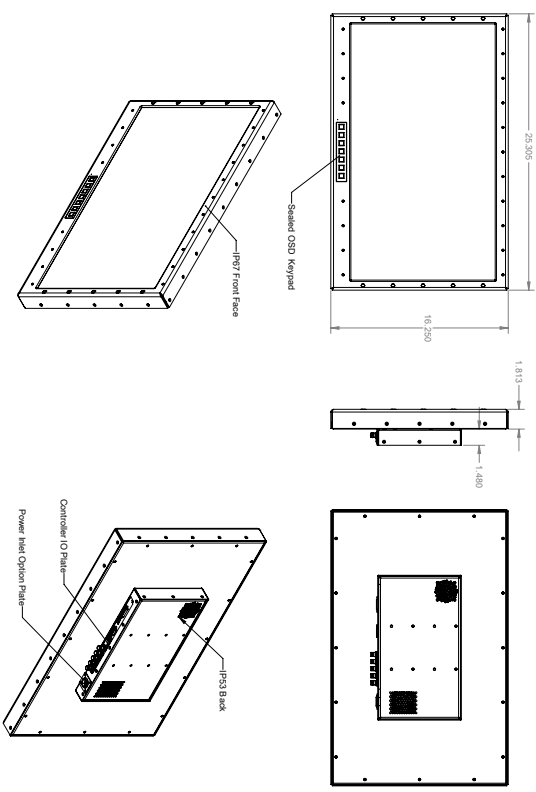
Mechanical drawings and 3D Solid Models are available upon request. Contact your sales representative for details.

Mechanical Drawings

MM270M1 with IP65 Connectors Shown



MM270M1 with IP53 Connectors Shown



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