

MM430Mx

Military Monitor Flex Mount



IP67 Front

IP53 Back

IP67 Back

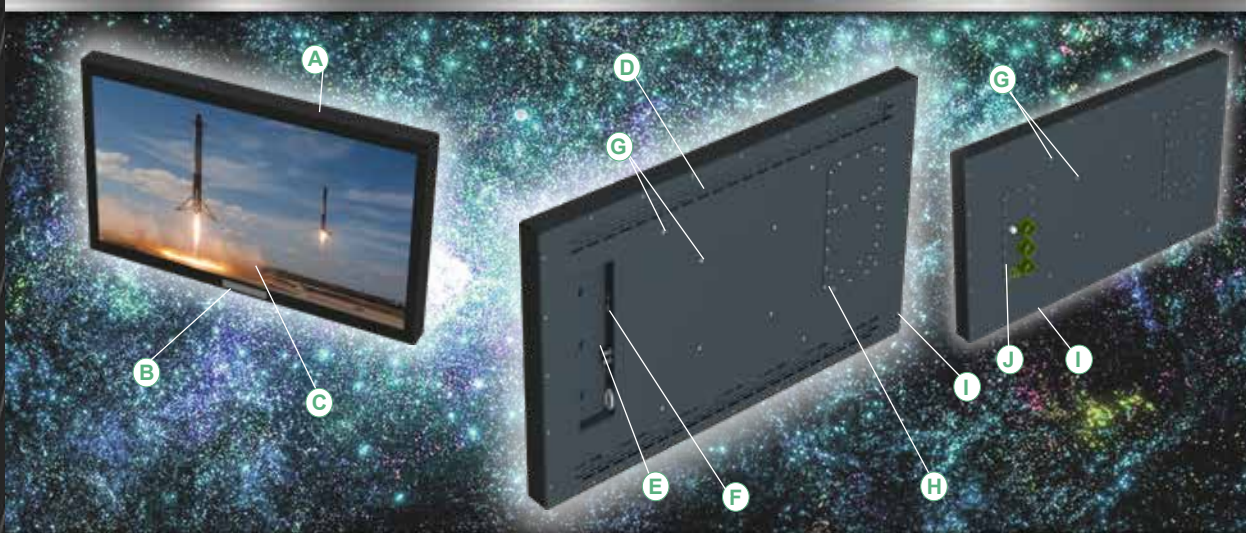
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Military Monitor Flex Mount

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, With Optional 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. Internal Cabling is Low Smoke Zero Halogen Teflon Cabling. Its Flex Mount system includes VESA, 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).

SERIES MM430Mx

Military Monitor Flex Mount



FEATURES

- A** Welded & Milled Aluminum Housing
- B** Water Tight OSD Menu Membrane Switches
- C** ITO Optically Bonded Front Lens
*Optional Lens Enhancements Available
- D** Passive Air Cooled
**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 Supply Plate:
*Field Serviceable Power Supply
- I** Flex Mount Hole Pattern:
*Fits Direct Panel Mount, ***Flush Mount Cradle
- J** IP67 Mil Spec I/O Plate:
*Customizable Inputs

WHY CHOOSE

- Rugged All Aluminum Construction
- High Bright Daylight Viewable option
- Optical Bonded Cover Glass
- IP67 Design Options
- Flex Mount Design Technology

OPTIONS

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

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

430M1 UHD 3840x2160 (Max Res)

- 43" LED Backlit LCD
- ITO EMI Lens Enhancement
- Viewing Angles: 89L/89R/89U/89D
- Contrast Ratio: 1000:1
- Brightness: 500 NITS
- Response Time: 8ms
- Surface Finish: AR Coated 3mm Optically Bonded Lens
- Color: 8 bit
- Color Gamut: 72% NTSC

430M2 UHD 3840x2160 (Max Res)

- 43" LED Backlit LCD
- ITO EMI Lens Enhancement
- Viewing Angles: 89L/89R/89U/89D
- Contrast Ratio: 4000:1
- Brightness: 1000 NITS High Bright
- Response Time: 8ms
- Surface Finish: AR Coated 3mm Optically Bonded Lens
- Color: 8 bit
- Color Gamut: 72% NTSC

430M3 UHD3840x2160 (Max Res)

- 43" LED Backlit LCD
- ITO EMI Lens Enhancement
- Dual Backlight NVIS and Daylight
- Viewing Angles: 89L/89R/89U/89D
- Contrast Ratio: 4000:1
- Daylight Brightness: 400 NITS
- NVIS B Mode
- Response Time: 8ms
- Surface Finish: AR Coated 3mm Optically Bonded Lens
- Color: 10 bit
- Color Gamut: 110% NTSC

*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 IP50 Ethernet For command and Control, and Remote. Integrated Multi View (PIP, PBP, Quad View).
- **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. Remote



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

430M1, 430M2, M30M3

SPECIFICATIONS

- Dimensions: TBD
- Weight: TBD
- Power Consumption: TBD
- Shipping Weight: TBD
- Shipping Dimensions: TBD

Values are approximate and vary based on configuration

► Custom Options Available On All DIT Models

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 Can be DTM (DESIGNED TO MEET) the following Mil Standards. Full Mil Spec must requirements must be disclosed during the quoting process to pick the correct components and Enhancement Process to meet your require MIL Spec Requirments.

TERMS & CONDITIONS

DITHD only Guarentees our Units Will pass Mil-Spec Testing when Mil-Spec Testing is purchased through DITHD and it partnering 3rd party independent Labs.

Available Mil Standard DTM Options

Operational Temperature Range: MIL-STD-810F/G, -10C to +50C (*Method and Procedures TBD)

Storage Temperature: MIL-STD-810F/G, -30C to +60C (*Method and Procedures TBD)

Humidity: MIL-STD-810F/G, (*Method and Procedures TBD)

Altitude: MIL-STD-810F/G, (*Method and Procedures TBD)

Vibration: MIL-STD-810F/G, -167, or -516.2 (*Method and Procedures TBD)

Shock: MIL-STD-810F/G, -901E Grade B, or -901E Grade A (*Method and Procedures TBD)

EMI: MIL-STD-461F/G CE102, RE101, RE102, CS101, CS114, CS116, RS101, and/or RS103

*MIL-STD, Methods, and Procedures are based on your required needs, contact one of our knowledgable Sales Engineers to help Spec in a unit to meet your required needs.



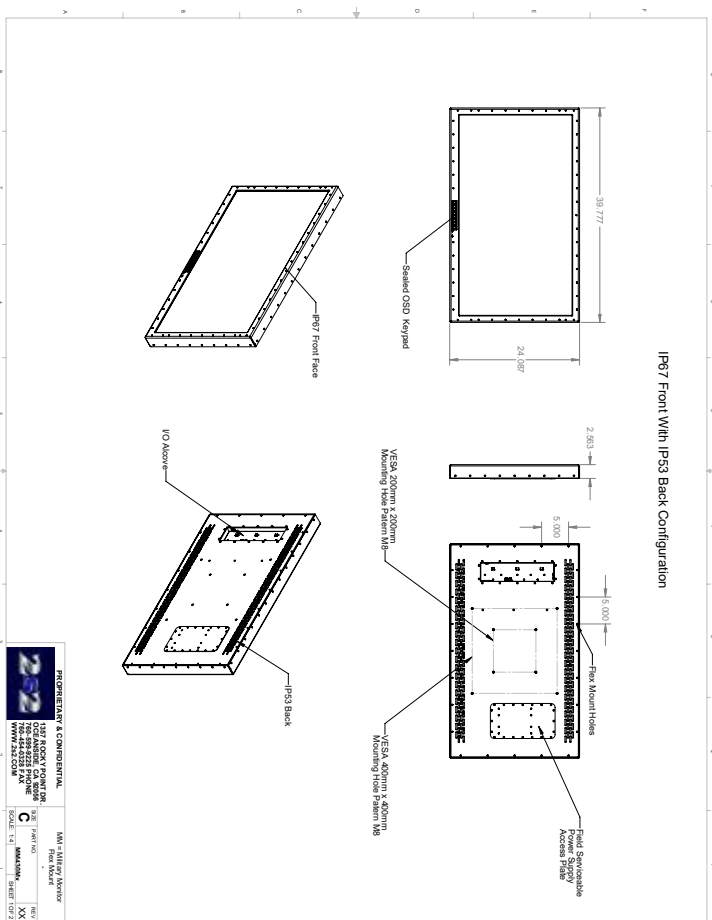


SIM
Mechanical drawings and 3D Solid Models
are available upon request. Contact Your
sales representative for details.

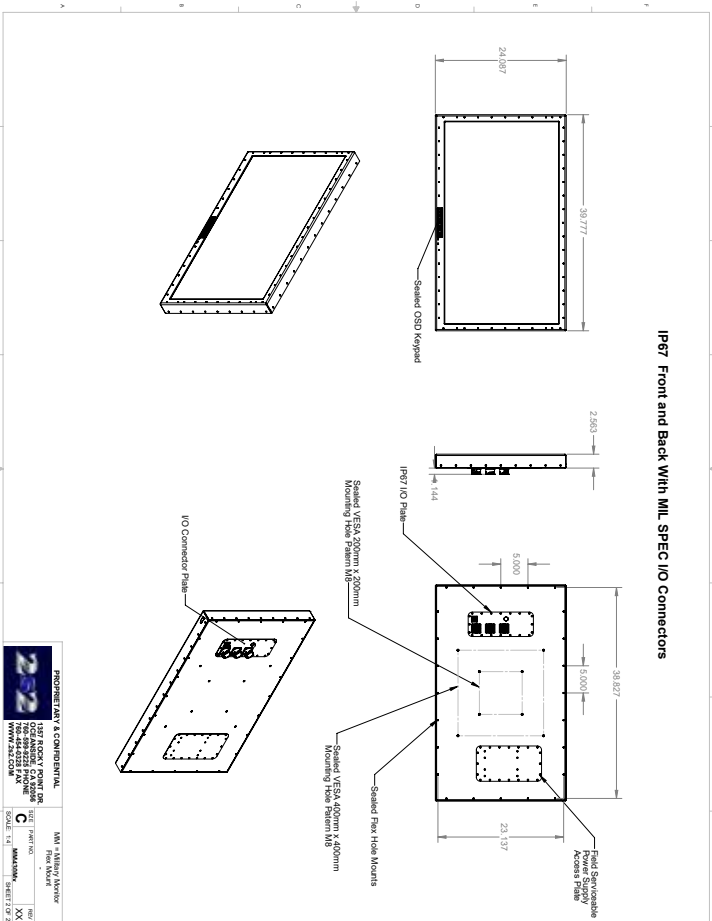
MMxx Flex Mount Mid Sized Panels

Mechanical Drawings

IP67 Front With IPS3 Back Configuration



IP67 Front and Back With MIL SPEC IO Connectors



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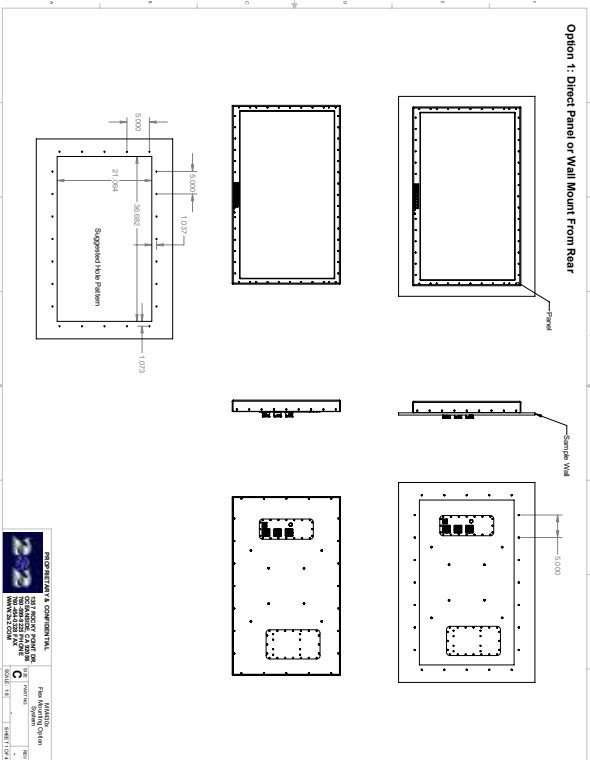


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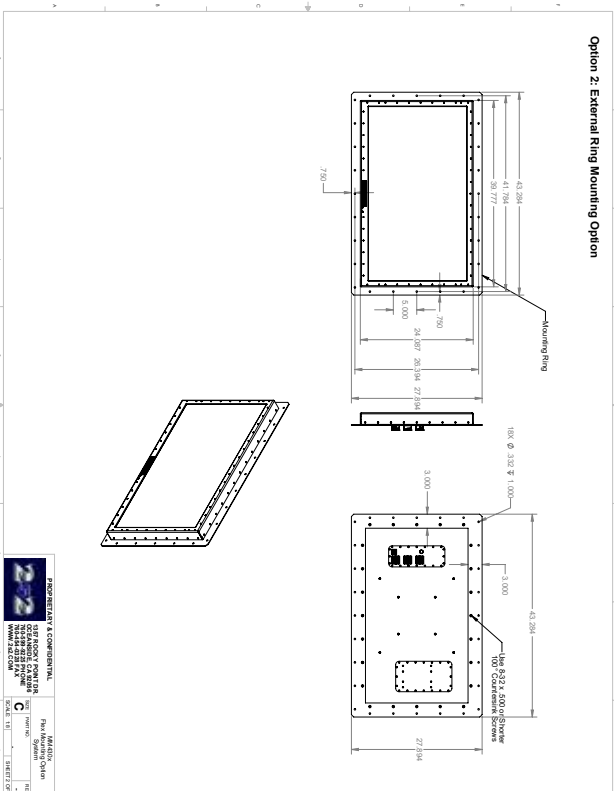
MMxx Flex Mount Mid Sized Panels

Flex Mounting Options

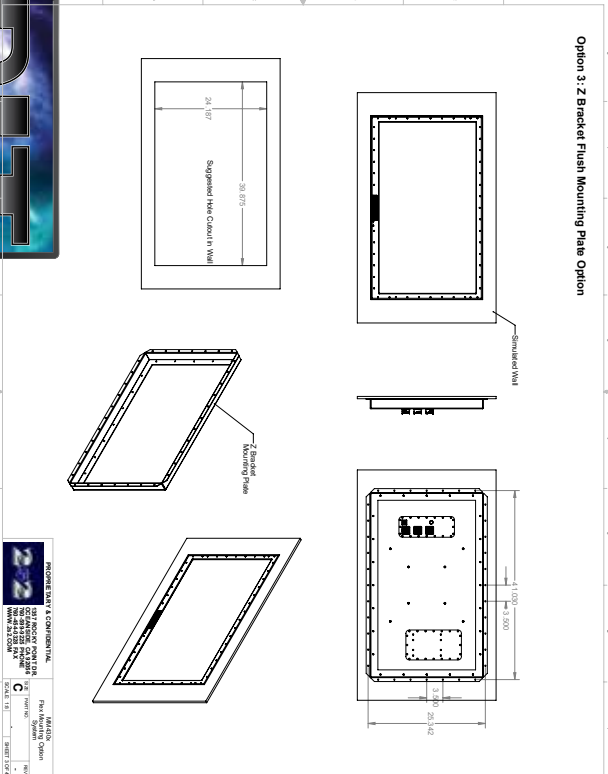
Option 1: Direct Panel or Wall Mount From Rear



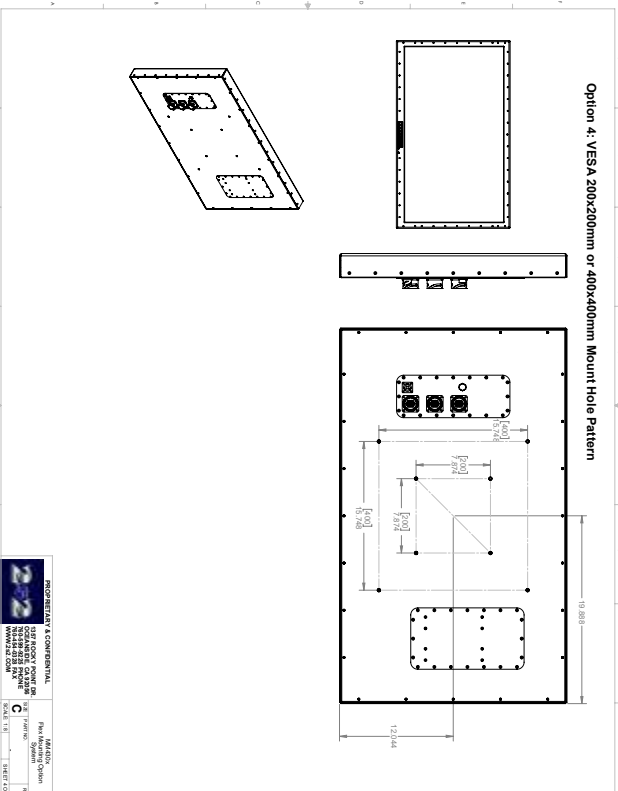
Option 2: External Ring Mounting Option



Option 3: Z Bracket Flush Mounting Plate Option



Option 4: VESA 200x200mm or 400x400mm Mount Hole Pattern



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