

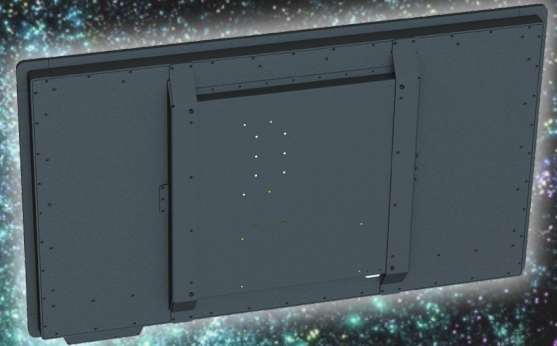
MTxx (320Mx, 430Mx, 550Mx)

Military Touch Panel Flex Mount

MT430M4 Shown



IP67 Front



Back

Comercial Connector
Input Back

MTxx

Military Touch Panel Flex Mount

Our Military Monitor MTxx Series 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 ITO Touch Lens. It has optional High Bright Backlit LCD Monitor, an Optional Heated Lens. 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. Internal Cabling is Low Smoke Zero Halogen Teflon Cabling. Its Specially Design as a Touch Monitor System with a VESA and Flex Mount Application. 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 (MTseries).

MTxx

Military Touch Panel - Flex Mount



FEATURES

- A** Welded & Milled Aluminum Housing
- B** Water Tight OSD Menu Membrane Switches
- C** ITO PCAP Touch
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:
*Can Be Customized to your application.

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,
- 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

430M4 UHD 3840x2160 (Max Res)

- 43" LED Backlit LCD
- ITO EMI Lens Enhancement
- Viewing Angles: 89L/89R/89U/89D
- Contrast Ratio: 4000:1
- Brightness: 500 NITS
- Response Time: 8ms
- Surface Finish: AR Coated 3mm Optically Bonded Lens
- Color: 8 bit
- Color Gamut: 72% NTSC
- PCAP Touch

430M5 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
- PCAP Touch

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

*Additional LCD Sizes and Options Available



SERIES: DISPLAY: Custom PN: Revision:

MT XX . XXXXX . XX

320M4, 320M5, 430M4, 430M5, 550M4, 550M5

SPECIFICATIONS

- Dimensions: TBD
- Weight: TBD
- Power Consumption: TBD
- Shipping Weight: TBD
- Sipping 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 is DTM (DESIGNED TO MEET) the following Mill 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.

Mil Standard 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

Vibration: MIL-STD-167-1A, Type 1

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

Shock: MIL-STD-901D, Grade A, Class 1, Type A

EMI: TBD





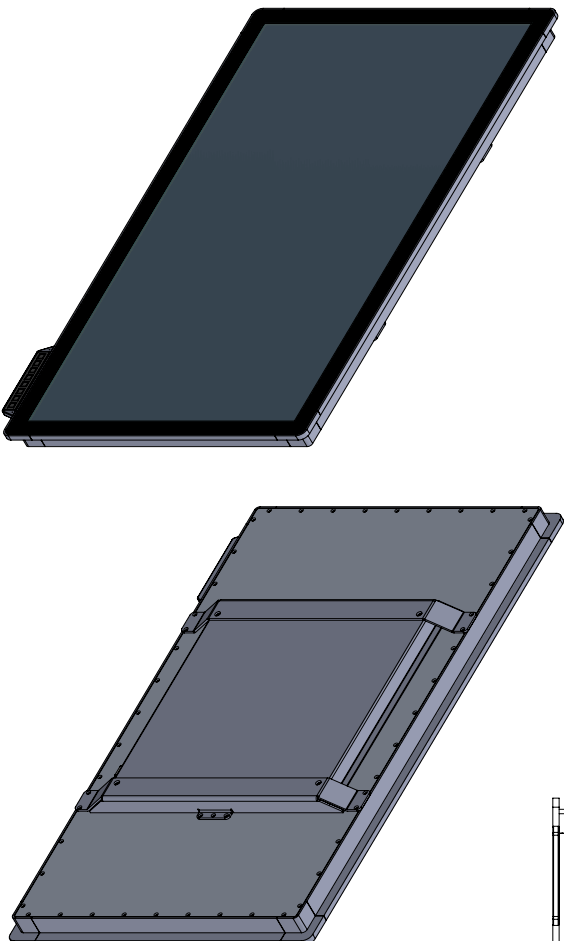
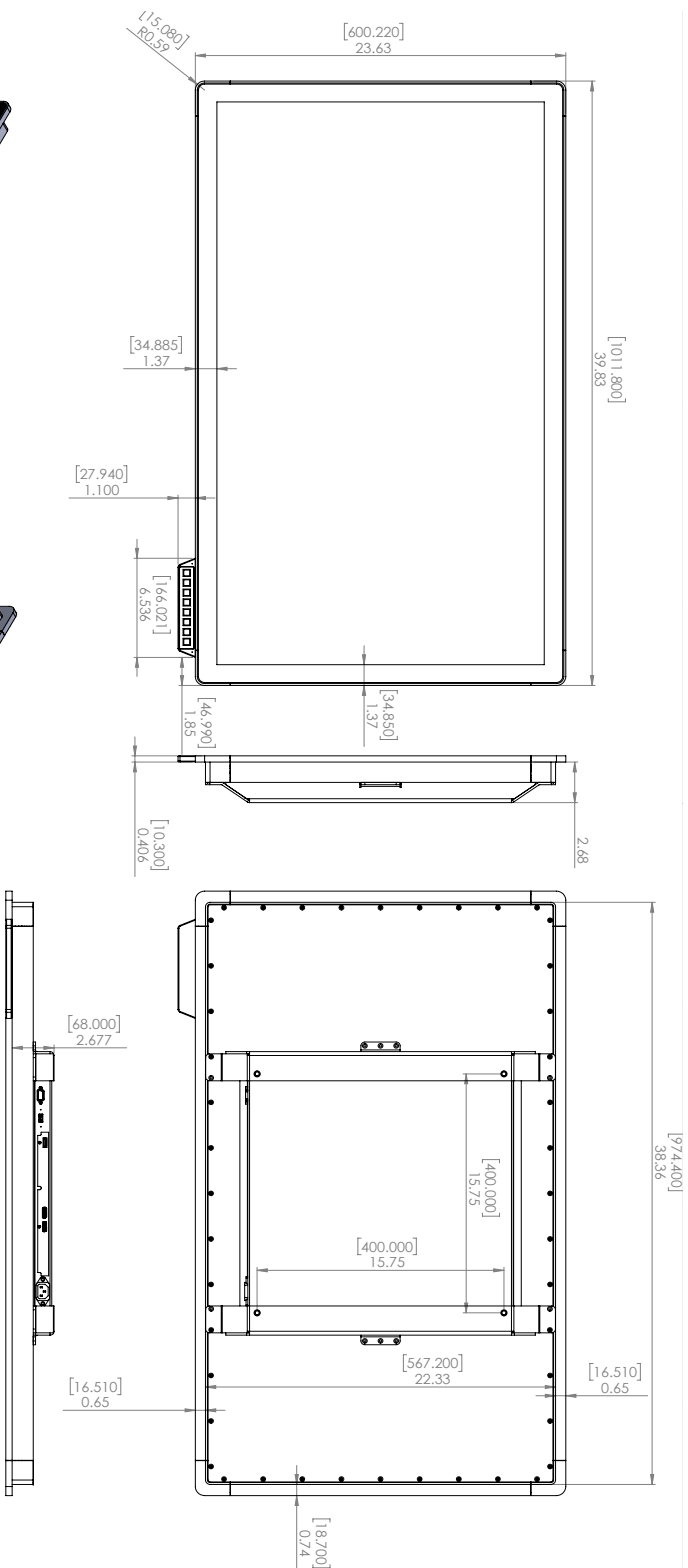
Mechanical Drawings

MT320M4, MT550Mx drawing available upon request.

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



MT430M4 Shown



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