MMZBTP-21.5USBC

21.5" USB-C Medical Touch Screen Monitor



- 21.5” Medical Touch Screen Monitor
- Single USB-C Interface for Video, Power and Touch
- Anti-Glare Screen Treatment
- Projected Capacitive Touch Screen (P-Cap)
- 1920 x 1080 Full HD Resolution
- White ABS Enclosure; Bezel-Less Front Simplifies Cleaning, Improves Safety & Hygiene
- Certified to the Latest 60601-1 Standards
- Built-In Speakers
- USB 2.0 Type A Output to Power Auxiliary Device
- Auto Re-Start After Power Loss
- 3-Year Warranty
- TAA Compliant

The *TRU-Vu* MMZBTP-21.5USBC is a 21.5” medical touch screen monitor. It conforms to the latest 60601-1 standards. It features a single USB-C interface for video, power and touch. Additionally, a USB 2.0 Type A output has been added to power an auxiliary device. A 24VDC power input and HDMI video input are available if your system does not support USB-C for power or video. Our 21.5″ medical grade touchscreen is ideal for hospital operating rooms, medical carts, and medical imaging systems. Also found in fluoroscopy, endoscopy, OEM medical systems, PACS and other medical applications.

OPTIMAL IMAGE QUALITY FOR A MEDICAL TOUCHSCREEN

Our widescreen 21.5″ medical touch screen monitor provides 1080p, 1920 x 1080 Full HD resolution. Additionally, the super-wide 178 x 178 viewing angles ensures clear, sharp images when viewed from nearly any angle. Thanks to its high resolution, brightness and high contrast ratio, our 21.5″ medical-grade touch screen provides razor-sharp, flicker free images. Consequently, this enables doctors and surgeons to make accurate, and timely, critical decisions. Fast response time and lag-free transmission of images ensure the most detailed images in the OR today.

21.5″ MEDICAL GRADE P-CAP TOUCH SCREEN

The projected capacitive touch technology enables multi-touch, with up to 10 simultaneous touch points. Furthermore, the P-Cap touch screen can be activated via exposed fingers, or with a surgical glove. The screen is unaffected by dirt, grease or moisture on the glass surface. To help you guide you through the advantages of the 5 most common types of touch technology, see our tutorial on touch screen basics. Our convenient touch screen comparison chart will provide a quick overview of advantages and disadvantages of each type.

BEZEL-LESS MONITOR, FULLY FLAT DESIGN

Our zero-bezel ABS enclosure features a single pane of glass across the entire front face of its 21.5″ medical-grade touch screen. Due to the absence of any raised-edge bezel (frame) around the front edges, this touch screen is extremely easy to clean (see Cleaning Instructions Guide) and improves overall hygiene. The bezel-less monitor enclosure eliminates the build-up of germs and contamination, as there is no bezel for them to reside beneath, as with standard enclosures. The rounded corners of the housing add a measure of comfort and safety, as well as improved aesthetics. This lightweight surgical display features rear VESA mount holes which enables easy mounting via spring arms, surgical booms or tabletop stands. Rear speakers are standard and can provide useful tones or alarms.

FANLESS MEDICAL GRADE MONITORS

All our Medical displays are built without internal fans. A fanless design provides numerous important benefits. Reliability and durability are greatly increased, since one major moving part, the fan, which is subject to mechanical failure, is eliminated. Consequently, a fan-less design also provides a higher level of safety in sterile environments, as it eliminates the circulation of pathogens and dust. Lastly, a fan-less monitor is also quieter.

OUR TECHNICAL EXPERTS ARE READY TO HELP YOU FIND THE BEST MEDICAL TOUCH SCREEN

With over 200 LCD monitors and touch screens on our site, selecting the ideal monitor solution may be a bit overwhelming. To help narrow-down the choices, check out our Advanced Search Tool. For example, this enables you to filter by your own useful features. For instance, view all Medical-Grade displays only. Shop by size 13.3-19″ monitors , see our full line of Touch Screen Monitors, filter by aspect ratio 16:9 , or see all bezel less monitors. Custom OEM LCD Displays and Private Label Monitors are also an option if you have very specific requirements. Furthermore, visit our wide range of LCD monitor mounts and stands to complete your installation.

Remember, our team members are ready to help! We can determine the exact solution that will meet your specific needs. TRU-Vu medical displays will help provide crystal-clear images for your medical projects. Call (847) 259-2344 today to speak with one of our medical monitor specialists. Above all, we will listen. It's one of the things we do best. Our professional advisors will ensure the monitor or touch screen you receive will be everything you had hoped it would for your medical imaging system.

If you prefer, fill out a quick form with your requirements, and our specialists will guide you to the proper models that will work best.

All *TRU-Vu* Medical Grade monitors utilizes industrial-grade components and high-end LCD panels not found in retail/consumer-grade monitors. Therefore, this ensures superior image quality, improved performance and greater durability.

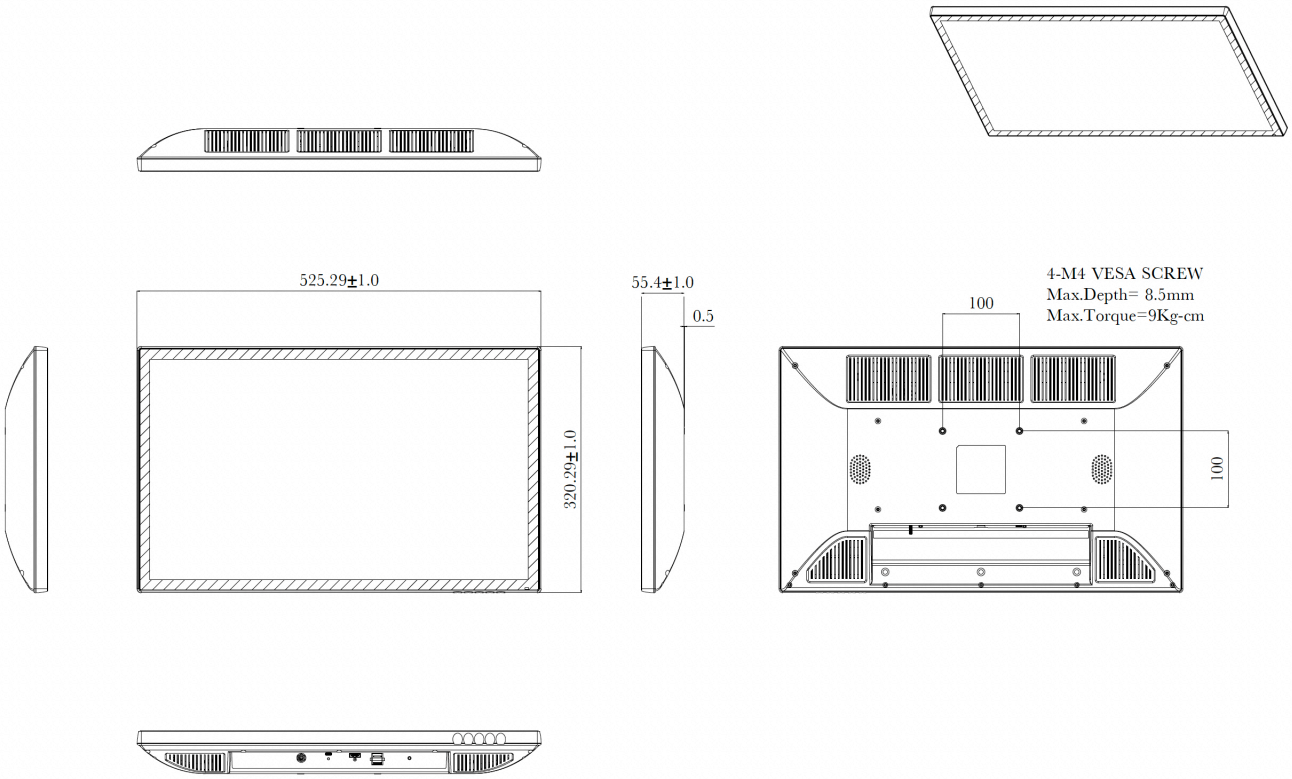
SPECIFICATIONS

	MMZBTP-21.5USBC
LCD Panel	21.5" IPS; LED Backlights
Native Resolution	1920 x 1080 (1080P/60 Full HD)
Aspect Ratio	16:9
Viewable Area	18.76" W x 10.55" H (476.6 x 268.1 mm)
Pixel Pitch	0.248mm
Display Colors	16.7 M
Brightness	500 nits
Contrast Ratio	1,000:1
Viewing Angle	178° (H) x 178° (V)
Response Time	22 msec (Tr+Tf)
Video Inputs	USB-C & HDMI
Touch Technology/Interface	Projected Capacitive/USB-C
Control	OSD (On-Screen Display) via Front Capacitive Buttons
Power Input	USB-C / 24VDC
Power Consumption	
Operating Temperature	14° to 140° F (-10° to +60° C)
Enclosure/Material	ABS
IP Rating	IP52 Front / IP30 Rear

	MMZBTP-21.5USBC
VESA Pattern	100 x 100 mm Rear VESA Mount Holes
Dimensions	20.7” (W) x 12.6” (H) x 2.2” (D) (525.3 x 320.2 x 55.4 mm)
Weight	10.2 lbs (4.62 kg)
Humidity	5-90% RH
Shock	50 G (20 msec, 1/2 sine)
Vibration	1.5G RMS 10-200 HZ
Certifications/Approvals	TUV: ANSI/AAMI ES60601-1:2005/A2:2021 CSA C22.2 No. 60601-1:2014/A2:2022-03 CE: EN 60601-1-2: 2015+A1:2021 FCC: 47 CFR FCC Part 18, Subpart C CB : IEC 60601-1:2005 IEC 60601-1:2005/AMD1:2012 IEC 60601-1:2005/AMD2:2020
Warranty	3 Years

Note: Specifications subject to change without notice.

DIMENSIONS (MM)



UNLESS OTHERWISE SPECIFIE	
LENGTH	TOLERANCE
0-6	±0.10
7-30	±0.20
31-100	±0.30
101-300	±0.50
301-UP	±0.70
ANGLE	±1.0°

Standard Accessories:

- USB-C Cable (3.1 Type C)

Available Options:

- 12VDC Power Input
- Tabletop Base
- Black Enclosure
- Wall Mount Brackets
- DICOM Part 14 GSDF Calibration
- Private Label
- Other Customer-Specific Modifications