

# MMT225

22" TFT Multi-function Medical Grade Touch LCD Monitor



- |                         |                   |                           |
|-------------------------|-------------------|---------------------------|
| 1. Camera               | 6. Monitor switch | 11. Video                 |
| 2. Auto-adjusted/Return | 7. Audio-out      | 12. Power switch          |
| 3. Menu                 | 8. DVI            | 13. Audio (Mic-in)        |
| 4. SEL+/SEL-            | 9. VGA            | 14. USB 2.0 x 2           |
| 5. Power LED            | 10. S-video       | 15. USB (type B)          |
|                         |                   | 16. DC-in power connector |



## Introduction

The MMT225 is a slim medical grade touch LCD monitor, which adopts 22-inch 300 nits WSXGA LCD display. Especially designed for medical environment, it adopts IPX1 waterproof design which protects the entire system from outside liquid, preventing system from crashing. This fanless unit features only 69mm in thickness and is outfitted with user-friendly OSD for easy data entry. To ensure medical operation safety, The MMT225 complies with UL60601-1/EN60601-1, CE and FCC Class B certifications. By supporting lock-type medical adaptor plug, this slim medical grade monitor fits all kinds of harsh environments. Its high brightness display also incorporates multi-signal inputs of VGA, S-video, video, DVI, audio-in and 3 USB ports (1 slave, 2 host) to connect with a wide range of medical equipments. Its optional 1.3 mega pixels camera and built-in microphone/2W stereo speakers enable remote communication. In addition, Bluetooth is an available option for wireless connection with medical peripheral devices. To improve patient treatment accuracy, the optional RFID (radio frequency identification) offers an efficient way to validate patient identification and give proper treatment.

## Features

- 22" TFT 300 nits WSXGA LCD
- Water/dust-proof design (front bezel: IP65, full enclosure: IPX1)
- Built-in internal microphone/2W stereo speakers
- Optional Bluetooth reader/1.3 mega pixels camera Super Multi/RFID
- Supports multi-signal inputs: VGA, S-video, video, DVI, Audio-in, 3 USB ports (1 slave, 2 host)
- Supports wall mount, desktop stand and VESA FPMPLM
- UL60601-1, EN60601-1, CE, FCC class B certified
- Supports NTSC, PAL



▲ Slim design

## Specifications

Front Bezel	Plastic ABS	
Mounting	Desktop stand, wall mounting or VESA FPMPLM mounting (video electronics standards association Flat Panel monitor physical mounting interface)	
LCD Panel	Display Type	22" TFT LCD
	Max. Resolution	1680 x 1050
	Max. Colors	16.7M
	Active Area (mm)	473.76 x 296.1
	Pixel Pitch (mm)	0.282 x 0.282
	Response Time	20ms
	Backlight	CCFL
	Backlight MTBF	50,000 hrs
	Viewing Angle (H/V)	178°/178°
	Contrast Ratio	1000 (TYP.)
Brightness (cd/m <sup>2</sup> )	300 nits	
Display Control	OSD (on screen display)	
Display Mode	VGA 640 x 480 (60/72Hz), VGA 640 x 350 (70Hz), VGA 720 x 400 (70Hz), XGA 1024 x 768 (60/70/75Hz), SVGA 800 x 600 (60/72Hz) SXGA 1280 x 1024 (60/70/75Hz) WSXGA 1680 x 1050 (60/70/75Hz)	

## Specifications

Input Signal	VGA Video: R.G.B Analog 0.7v Peak-to-Peak Video S-Video DVI Touchscreen: USB interface Audio-in 3 USB (1 slave, 2 host)	
I/O Connector	1 x USB for touchscreen control 1 x VGA input 1 x RCA video 1 x S-Video for video 1 x DVI 1 x lock-type DC power input 1 x Audio-in 2 x USB (2 host)	
Power Adapter	Lock type external 24V AC/DC medical grade power adapter	
Touchscreen	Thickness	Resistive: 3.2mm
	Light Transmission	Resistive: 80%
	Power Consumption	Resistive: +5V @ 100mA
	Touch Life	Resistive: 35million touches
	Controller interface	USB connector
Dimensions	573.5 mm (22.58") (W) x 68.5 mm (2.69") (D) x 399 mm (15.71") (H)	
Packing Dimensions	730 mm (28.74") (W) x 240 mm (9.45") (D) x 650 mm (25.59") (H)	
Weight (net/gross)	8.48 kg (18.69 lb)/13.02 kg (28.7 lb)	
Environment	Operating temperature: 0° ~ +45°C (+32°F ~ +104°F) Storage temperature: -20°C ~ +60°C (-4°F ~ +140°F) Relative humidity: 20% ~ 90%, non-condensing	
Certificate	UL60601-1, EN60601-1, CE, FCC class B	

## Ordering Information

MMT225	22" TFT medical grade monitor with USB 2.0 interface resistive touchscreen
MMT225-DVDRW	22" TFT medical grade monitor with USB 2.0 interface resistive touchscreen, Super Multi drive and 1.3 mega pixels camera

\* Specification and certifications are based on options and may vary.

\*\*Super Multi drive includes DVD-R, DVD-RW and DVD-RAM.

## Optional Accessories

E202003330	VM-101 VESA ARM (clamp type)
E202003329	VM-105 VESA ARM (wall mount type)
E228170100	22" stand kit

## Dimensions

