

# 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. Standby 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.

### Specifications

|                                 |   |                |                    |   |                                 |  |
|---------------------------------|---|----------------|--------------------|---|---------------------------------|--|
| Front Bezel                     | Plastic ABS   |                | Input Signal       | VGA Video: R.G.B Analog 0.7v Peak-to-Peak                   |                                 |  |
| Mounting                        | Desktop stand, wall mounting or VESA<br>FPMPMI mounting (video electronics standards association<br>Flat Panel monitor physical mounting interface) |                |                    | Video   |                                 |  |
| LCD Panel                       | Display Type  | 22" TFT LCD    |                    | S-Video   |                                 |  |
|                                 | Max. Resolution   | 1680 x 1050    |                    | DVI   |                                 |  |
|                                 | Max. Colors   | 16.7M          |                    | Touchscreen: USB 2.0  |                                 |  |
|                                 | Active Area (mm)  | 473.76 x 296.1 |                    | Audio-in  |                                 |  |
|                                 | Pixel Pitch (mm)  | 0.282 x 0.282  |                    | 3 USB (1 slave, 2 host)                                     |                                 |  |
|                                 | Response Time   | 20ms           |                    | I/O Connector   | 1 x USB for touchscreen version |  |
|                                 | Backlight   | CCFL           |                    |   | 1 x VGA input                   |  |
|                                 | Backlight MTBF  | 50,000 hrs     |                    |   | 1 x RCA video                   |  |
|                                 | Viewing Angle (H/V)   | 178° / 178°    |                    |   | 1 x S-Video for video           |  |
| Contrast Ratio                  | 1000 (TYP.)   |                |                    | 1 x DVI   |                                 |  |
| Brightness (cd/m <sup>2</sup> ) | 300 nits  |                |                    | 1 x lock-type DC power input                                |                                 |  |
| Display Control                 | OSD (on screen display)   |                |                    | 1 x Audio-in  |                                 |  |
| Display Mode                    | VGA 640 x 480 (60/72Hz), VGA 640 x 350 (70Hz),  |                | Power Adapter      | Lock type external 24V AC/DC medical grade power<br>adapter |                                 |  |
|                                 | VGA 720 x 400 (70Hz), XGA 1024 x 768 (60/70/75Hz),<br>SVGA 800 x 600 (60/72Hz)<br>SXGA 1280 x 1024 (60/70/75Hz)<br>WSXGA 1680 x 1050 (60/70/75Hz)   |                | Touchscreen        | Thickness   | Resistive: 3.2mm                |  |
|                                 |   |                | Light Transmission | Resistive: 80%  |                                 |  |
|                                 |   |                | Power              | Resistive: +5V @ 100mA                                      |                                 |  |
|                                 |   |                | Consumption        |   |                                 |  |
|                                 |   |                | Touch Life         | Resistive: 35million touches                                |                                 |  |
|                                 |   |                |                    | Controller interface:<br>USB connector                      |                                 |  |



### Features

- 22" TFT 300 nits WSXGA LCD
- Spill and dust resistant design (front panel: IP65, whole enclosure: IPx1)
- Built-in internal microphone/2W stereo speakers
- Optional Bluetooth reader/1.3 mega pixels camera combo/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 FPMPMI
- UL60601-1, EN60601-1, CE, FCC class B certified
- Supports NTSC, PAL

|                    |   |
|--------------------|---|
| Dimensions         | 573.5mm (22.58") (W) x 68.5mm (2.69") (D)<br>x 399mm (15.71") (H)   |
| Weight (net/gross) | 8.48 kg (18.69 lb)/13.02 kg (28.7 lb)   |
| Environmental      | Operation temperature: 0°C ~ +45°C (32°F ~ 104°F)<br>Storage temperature: -20°C ~ +60°C (-4°F ~ +140°F)<br>Relative humidity: 20% ~ 90%, non-condensing |
| Certification      | UL60601-1, EN60601-1, CE, FCC class B   |

### Ordering Information

|           |  |
|-----------|--|
| MMT225    | 22" TFT medical grade monitor with USB 2.0 interface resistive touchscreen                                   |
| MMT225-CO | 22" TFT medical grade monitor with USB 2.0 interface resistive touchscreen, Combo and 1.3 mega pixels camera |

\*Specifications and certifications are limited to optional.

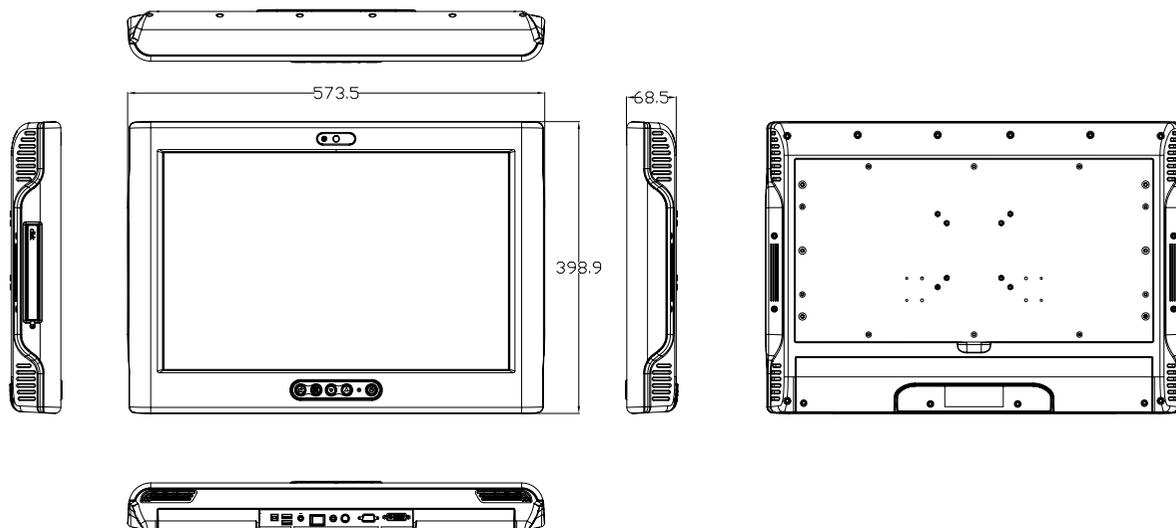
### Optional Accessories

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



Slim design

### Dimensions



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