

# TOTOKU

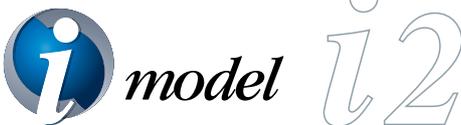
5 Megapixel 21.3" Monochrome Display

# ME551i2

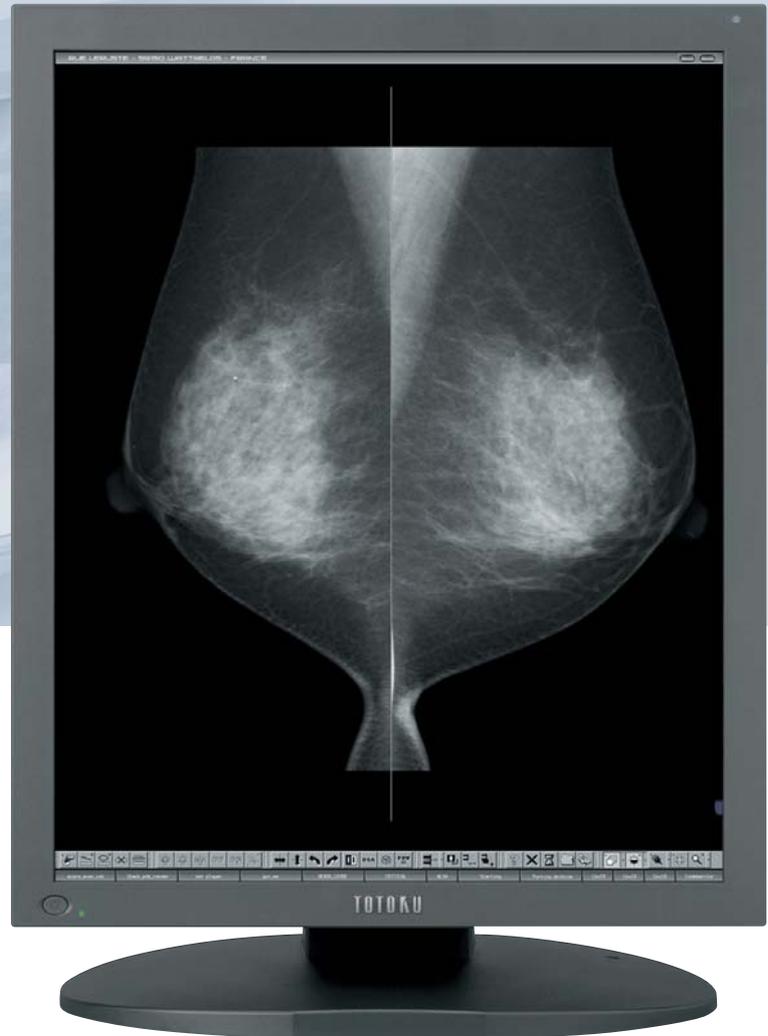
ME551i2 /C (clear base), ME551i2 /B (blue base)



# 5 Megapixel



Higher Image Quality  
& Total Management



## 5MP monochrome display for diagnostic imaging

A 5MP display best suited for digital mammography and other advanced applications. Loaded with a high luminance, high contrast LCD panel, it delivers excellent image quality with a luminance uniformity compensation feature and a capability to display 2048 shades of gray simultaneously. It also comes with a hardware-based pivoting function for fast image display in portrait orientation.

ME551i2 is FDA 510(k) cleared as a digital mammography display.



### New developed luminance stabilizing system λ-Sentinel II

λ-Sentinel II consists of a luminance sensor and luminance control circuit. The luminance sensor, integrated into the front bezel, consistently monitors and accurately stabilizes luminance on the screen by rapidly communicating with the backlight sensor.

### Remote grayscale check and remote calibration functions

Conformance testing to DICOM GSDF and calibration can be remotely accomplished. These features minimize the burden on display administrators.  
\* Optional PM Medivisor software is required.

### Simultaneous display of 2048 shades of gray

Combined with a viewer software, 2048 shades of gray (11 bit) can be simultaneously displayed, realizing smoother grayscale.

\* Viewer software that supports Totoku's multi-shade display system is required for 11-bit grayscale viewing.

### Luminance equalizer λ-Uniformity Congruence

Is built in to achieve highly accurate luminance uniformity across the screen. Luminance unevenness is minimized in the final tune-up prior to shipping.

### Clear base/Blue base LCD panels

The LCD panels are available in both clear and blue base colors.

### Calibration function

Calibrates luminance and gamma to enable smooth grayscale display that is faithful to DICOM GSDF. \* Optional calibration kit is required.

### Hardware pivot function for fast drawing in portrait or landscape orientation

Stress-free operation is made possible by fast drawing speed for on-the-fly change to portrait.

### Dual Link DVI input

provides smooth display of motion pictures.

### Color/monochrome conversion function for multi-display setups with both color and monochrome displays

### OSD Information Display

With a push of a button, the display's current status can be checked such as the display model, total operating time, actual measurement of luminance, and calibration settings.

### LED indicator to inform of current status

A glance at the LED indicator tells you the display's current operating status.

### Enhanced convenience with utility software :

#### Advanced power saving\*

The backlight dims as the screensaver starts, reducing power consumption and preventing unnecessary deterioration of the backlight.

\* This feature may not be available, depending on the specifications of the graphics card used.

#### Gamma check

18 points of luminance values are measured and plotted into a graph.

#### Ambient light and display luminance measurement

The built-in sensors measure display luminance and ambient illumination.

### Pairing service to match colors of two displays (Optional)

### Worldwide medical safety standards

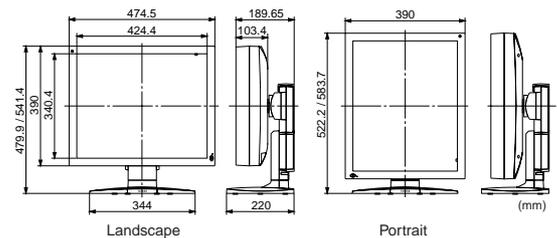
This display is certified under various medical safety standards that are much more demanding than those for general-purpose IT equipment.

TOTOKU has obtained ISO14001 and ISO9001/ISO13485 certification which are international standards concerning environment management and quality control respectively.



## Specifications

Model Name	ME551i2 /C (Clear-base), ME551i2 /B (Blue-base)	
LCD Panel	Technology	21.3-inch, TFT Monochrome, Active matrix
	Display Area	422.4mm X 337.9mm
	Pixel Pitch	0.165mm X 0.165mm
	Contrast Ratio	800 :1 typ.
	Maximum Luminance	750cd/m <sup>2</sup> typ. (calibrated to 410cd/m <sup>2</sup> by factory default )
Viewing Angle	Viewing Angle	170° vertical and horizontal
	Available Resolution	640 X 480 (VGA), 2048 X 2560 or 2560 X 2048
Visual Performance	Grayscale	11.9bit (3826) grayscale to 8bit (256) grayscale Simultaneous display of 11 bit (2048 shades of gray) is possible with the customized viewer.
	Input Sync Signal	DVI 1.0 compliant
Input Signal	Plug and Play	DDC2B compliant
	Input	AC adapter 100V ~ 240V (±10%) 50/60Hz
Power Supply	Maximum Power Consumption	80W typ. (with power management feature)
	Calibration Control	Luminance, Gamma, Capability of saving 3 sets of LUT settings (An optional calibration kit is required.)
Features	OSD Information Display	Model name, Serial No., Total operating time, Calibration settings (Operating time from Last Calibration, Luminance, Gamma, etc.), Current luminance, etc.
	USB Hub	USB Rev. 2.0 compliant, Self-powered USB upstream connector (x1), USB downstream connector (x2)
	Other Features	Luminance Uniformity Correction Function, Hardware Pivot function, Color/Monochrome conversion function, LED indicator
	Approvals	UL60601-1, CSA C22.2 No.601.1, MDD/CE, FCC-B, VCCI-B, FDA510 (k), MIC, CCC
Physical Characteristics	Dimensions (incl. tilt stand)	Landscape : 474.5 (W) X 479.9 / 541.4 (H) X 220 (D) mm Portrait : 390 (W) X 522.2 / 583.7 (H) X 220 (D) mm
	Weight	Net: approx. 12.1kg, Without tilstand: approx. 7.9kg
	Tilt stand	Tilt, Swivel, Portrait / Landscape
	Mount	100mm VESA mounting
	Security Slot	On the back of the panel and the tilt stand
	Protective Filter	Antireflection-coated
Accessories	AC adapter, Power cord(3P), DVI cable, USB cable, Operation manual	



## Safety Precautions

Please read the user's manual for safe and proper use.

**Do not expose the product to dust, moisture, steam, or oily smoke. It could cause fire, electric shock, or a failure.**

# TOTOKU

**TOTOKU** Intelligent Devices and Solutions Dept. Sales and Marketing Division.  
TOTOKU ELECTRIC CO., LTD.

1-3-21 Okubo, Shinjuku-ku, Tokyo 169-8543 TEL: +81 3-5273-2022 FAX: +81 3-5273-2091  
\*Osaka Branch: +81 6-6352-3541 \*Nagoya Branch: +81 52-771-1161 \*Shinetsu Branch: +81 268-34-5285

**USA**  
**TOTOKU NORTH AMERICA, INC.**  
1425 Greenway Dr., Ste. 565  
Irving, Tx 75038, U.S.A.  
TEL : +1-972-550-1888  
E-mail : info@totoku-na.com

**EUROPE**  
**TOTOKU ELECTRIC CO., LTD.**  
Jakob-Krebs-Str. 124  
D-47877 Willich-Anrath Germany  
TEL : +49-2156-4918-0  
E-mail : info@totoku.de

**ASIA**  
**TOTOKU ELECTRIC CO., LTD.**  
3-21, Okubo-1 Chome  
Shinjuku-ku, Tokyo, Japan  
TEL : +81-3-5273-2053  
E-mail : info-idsc@totoku.co.jp

Additional product information is available at <http://www.totoku.com/display/>

\*Microsoft and Windows are trademarks of the US Microsoft Corporation and are registered in the US and other countries. \*Company names and product names are the trademarks or registered trademarks of the respective companies. \*Product specifications and appearance are subject to change without notice. \*Colors in photographs may differ from actual colors due to the printing process. \*Images on screens are simulated.

Please contact the distributor below with inquiries and orders.