

TOTOKU

5 Megapixel  
21.3" Monochrome Display

ME551i2

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

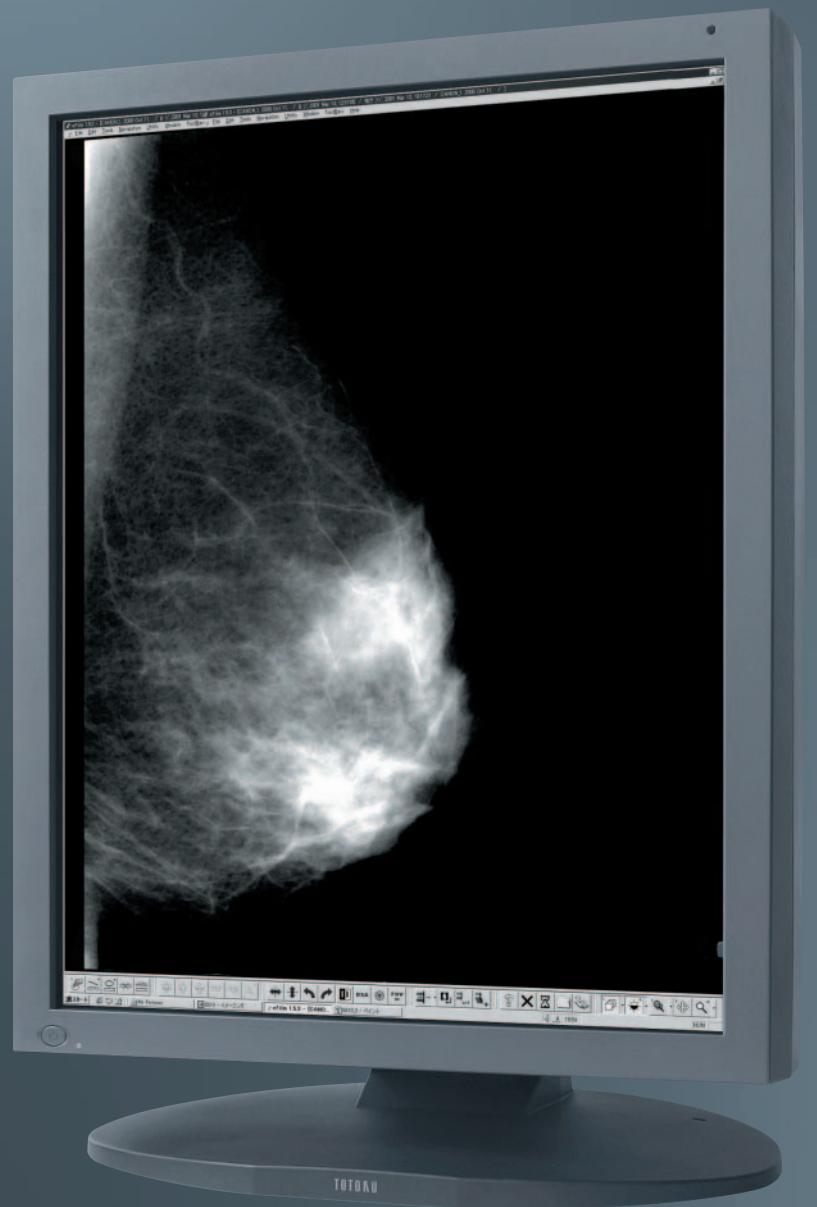
NEW

*Best suited for digital mammography  
and other advanced applications.*

High-resolution display with 5MPs at 0.165 x 0.165 mm pixel pitch. Advanced display performance is achieved through features such as simultaneous display of 2048 shades of gray to enable grayscale display faithful to the DICOM GSDF and a luminance uniformity equalizer to even out luminance across the screen. Moreover, a display accuracy control capability is built in.



*Higher Image Quality  
& Total Management*



5 Megapixel  
Monochrome Display



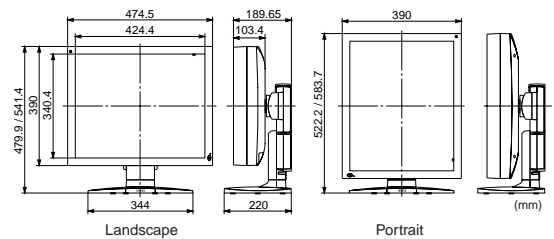
21.3"	Digital Input	High luminance 750 cd/m <sup>2</sup>	Contrast 700:1	Calibration function	11-bit display	Color/Monochrome Conversion	OSD	Luminance Uniformity Correction	Hardware Pivot	LED Indicator	Protective filter	Multi function Stand
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## Features :

- ▶ **Newly developed luminance stabilizing system λ-Sentinel II**  
Provides enhanced stability in luminance and interaction with performance monitoring software PM Medivisor to evaluate conformity to DICOM GSDF.
- ▶ **Simultaneous display of 11bit (2048 shades of gray)**  
Realizes smoother grayscale display required for medical image displays.  
\*A viewer software that supports TOTOKU's multi-shade display system is required for 11-bit simultaneous display.
- ▶ **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 capability for DICOM Part 14 compliant grayscale presentation**  
Calibrates luminance and gamma to enable smooth grayscale display that is faithful to DICOM GSDF.  
(A calibration kit is required.)
- ▶ **Dual Link input**  
Provides smooth display of motion pictures.
- ▶ **Hardware pivot function for fast drawing in portrait orientation**
- ▶ **Color/monochrome conversion function for multi-display setups with both color and monochrome displays**
- ▶ **LUT switching function**  
Allows switching among 3 luminance-gamma presets using a designated software.
- ▶ **OSD Information Display**  
Such information as the display model, total operating time, actual measurement of luminance, and calibration settings can be checked on screen.
- ▶ **LED indicator to inform of current status**
- ▶ **Worldwide medical safety standard**  
This display is certified under various medical safety standards that are much more demanding than those for general-purpose IT equipment.
- ▶ **Medivisor Series software (Optional)**  
The Medivisor Series software offers collective support for display quality control and delivers high-quality and stable medical images while realizing reduction in display quality management costs.
- ▶ **Pairing service to match colors of two displays (Optional)**

## Specifications

Model Name		ME551i2 /C (Clear-base), ME551i2 /B (Blue-base)
LCD	Technology	21.3-inch, TFT Monochrome, Active matrix
	Display Area	422.4mm X 337.9mm
	Pixel Pitch	0.165mm X 0.165mm
Visual Performance	Contrast Ratio	700 :1 (Typ.)
	Maximum Luminance	750cd/m <sup>2</sup> (Typ.), (calibrated to 410cd/m <sup>2</sup> by factory default)
	Viewing Angle	170° vertical and horizontal
	Available Resolution	640 X 480 (VGA), 2048 X 2560 or 2560 X 2048
Input Signal	Input Sync Signal	DVI 1.0 compliant
	Plug and Play	DDC2B compliant
Input Power Supply	Input	AC adapter 100V ~ 240V (±10%) 50/60Hz
	Maximum Power Consumption	80W Typical (with power management feature)
Features	Calibration Control	Luminance, Gamma, Capability of saving 3 sets of LUT settings (A calibration kit is required.)
	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): pending), MIC, CCC, BSM: pending)	
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	Antitheft security slot (Panel and tilt stand)
Accessories	Protective Filter Antireflection-coated protective filter AC adapter, Power cord(3P), DVI cable, USB cable, Operation manual	



### i model —

A lineup of high-performance displays equipped with advanced luminance stabilizing system "λ-Sentinel II". Thanks to the system, the i model realized outstanding luminance stability and hands-free DICOM GSDF conformance test.

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



<b>Safety Precautions</b>	<b>Please read the user's manual for safe and proper use.</b>
<b>Do not expose the product to dust, moisture, steam, or oily smoke. It could cause fire, electric shock, or a failure.</b>	

# TOTOKU

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

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