

TOTOKU

2 Megapixel
21.3" Monochrome Display

ME251i

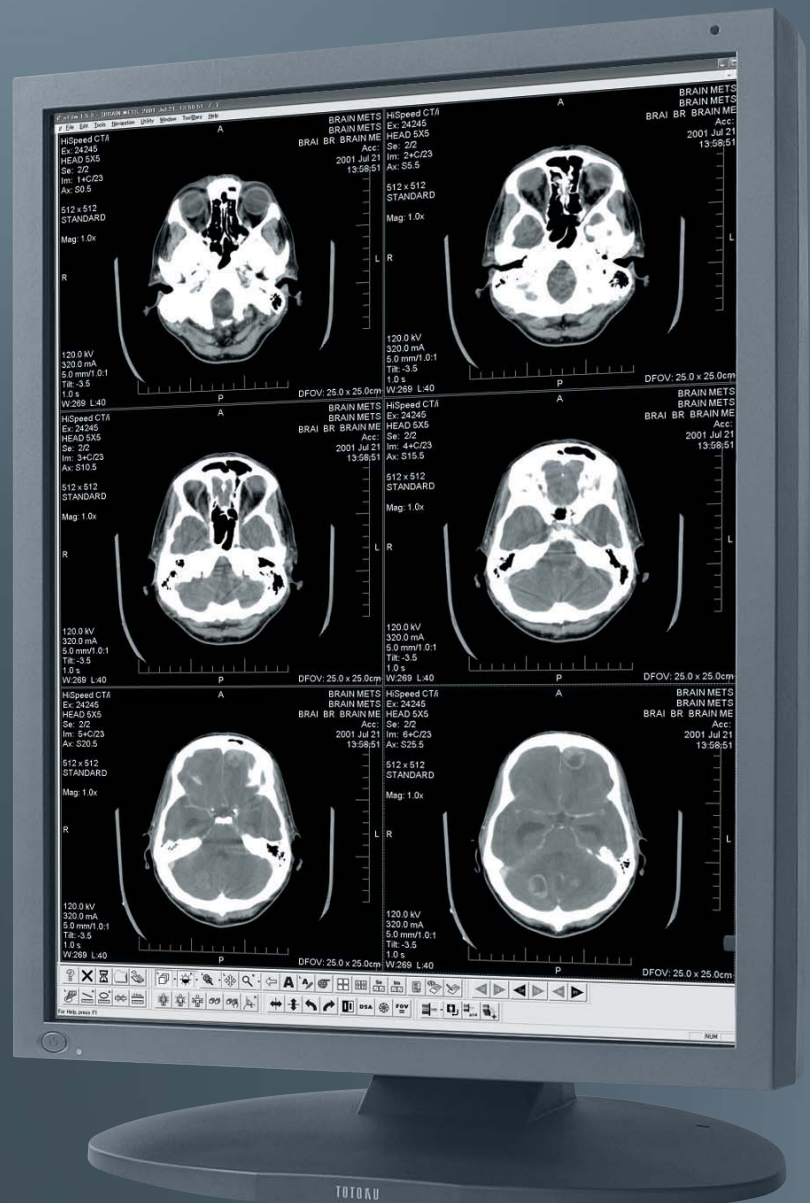
ME251i /C (clear base), ME251i /B (blue base)

High-luminance, long life model with easy evaluation of DICOM GSDF conformance.

Combined with a viewer, simultaneous display of 1024 shades of gray in compliant with DICOM GSDF is possible. The color/monochrome conversion function converts color images into crisp and clear monochrome images.



Higher Image Quality
& Total Management



2 Megapixel Monochrome Display

Long Life

λ-Sentinel II

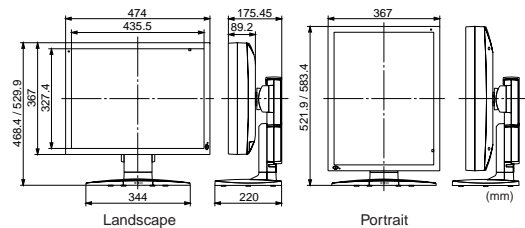
- 21.3"
- Digital Input
- High luminance 1800cd/m²
- Contrast 700:1
- Calibration function
- 10-bit display
- Color/Monochrome Conversion
- OSD
- LED Indicator
- Protective filter
- Multi function Stand

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 10bit (1024 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 10-bit simultaneous display.
- ▶ **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.)
- ▶ **21.3" high-definition, high luminance, long-life LCD**
Offers the highest-in-class luminance of 1800cd/m² and much longer lifetime
- ▶ **Choice of base color for the screen: clear base and blue base**
- ▶ **Color/monochrome conversion function for multi-display setups with both color and monochrome displays**
- ▶ **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**
A glance at the LED indicator tells you the display's current operating status.
- ▶ **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.
- ▶ **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	ME251i/C (Clear-base), ME251i/B (Blue-base)	
LCD Panel	Technology	21.3-inch, TFT Monochrome, Active matrix
	Display Area	432mm X 324mm
	Pixel Pitch	0.270mm X 0.270mm
	Contrast Ratio	700 : 1 (Typ.)
	Maximum Luminance	1800cd/m ² (Typ.), (calibrated to 410cd/m ² by factory default)
Visual Performance	Viewing Angle	170° vertical and horizontal
	Available Resolution	USTEXT, 640 X 480 (VGA), 800 X 600 (SVGA), 1024 X 768 (XGA), 1280 X 1024 (SXGA), 1600 X 1200 (UXGA)
	Grayscale	11.9bit (3826) grayscale to 8bit (256) grayscale Along with the customized viewer software, simultaneous display of 10bit (1024) grayscale is possible.
Input Signal	Input Sync Signal	DVI 1.0 compliant
	Plug and Play	DCC2B compliant
Input Power Supply	Input	AC adapter 100V ~ 240V (±10%) 50/60Hz
	Maximum Power Consumption	85W 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	Color/Monochrome conversion function, LED indicator
Approvals	UL60601-1, CSA C22.2 No.601.1, MDD/CE, FDA510 (k), MIC, CCC, BSMI, FCC-B, VCCI-B	
	Dimensions (incl. tilt stand)	Landscape : 474.0 (W) X 468.4 / 529.9 (H) X 220.0 (D) mm Portrait : 367.0 (W) X 521.9 / 583.4 (H) X 220.0 (D) mm
Physical Characteristics	Weight	Net: approx. 11.6kg, Without tiltstand: approx. 7.4kg
	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
Accessories	AC adapter, Power cord (3P), DVI cable, Serial 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/ISO13485 certification which are international standards concerning environment management and quality control respectively.



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

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

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