

TOTOKU

5 Megapixel 21.3" Monochrome Display

ME551i2

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



5 Megapixel

i model *i2*

Higher Image Quality
& Total Management



5MP monochrome display for diagnostic imaging with excellent image quality control features

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.



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Newly developed luminance stabilizing system λ-Sentinel II

λ-Sentinel II consists of a luminance sensor and luminance control circuit. The luminance sensor that is attached in front of the screen constantly monitors and accurately stabilizes luminance on the screen surface by sending feedback to the control circuit.

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.

* An 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. It 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 function

Calibrates luminance and gamma to enable smooth grayscale display that is faithful to DICOM GSDF.

* An optional calibration kit is required.

Hardware pivot function for fast drawing in portrait orientation

Stress-free operation is made possible by the fast drawing speed even in portrait orientation.

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 illuminance and illuminance sensors measure display luminance and ambient illuminance.

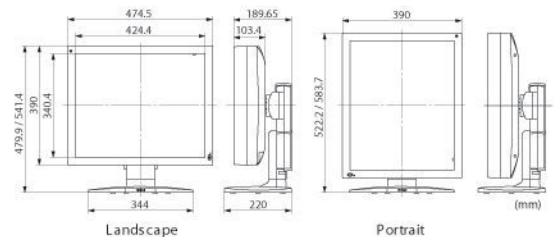
Pairing service to match colors of two displays (Optional)

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.

Specifications

Model Name	ME55112 /C (Clear-base), ME55112 /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 ² typ. (calibrated to 410cd/m ² by factory default)
Visual Performance	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 typ. (with power management feature)
Features	Calibration Control	Luminance, Gamma, Capability of saving 3 sets of LUT settings (An optional 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 Conversion 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 : 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 tiltstand: 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.