

TOTOKU

2 Megapixel 21.3" Monochrome Display

ME253i2

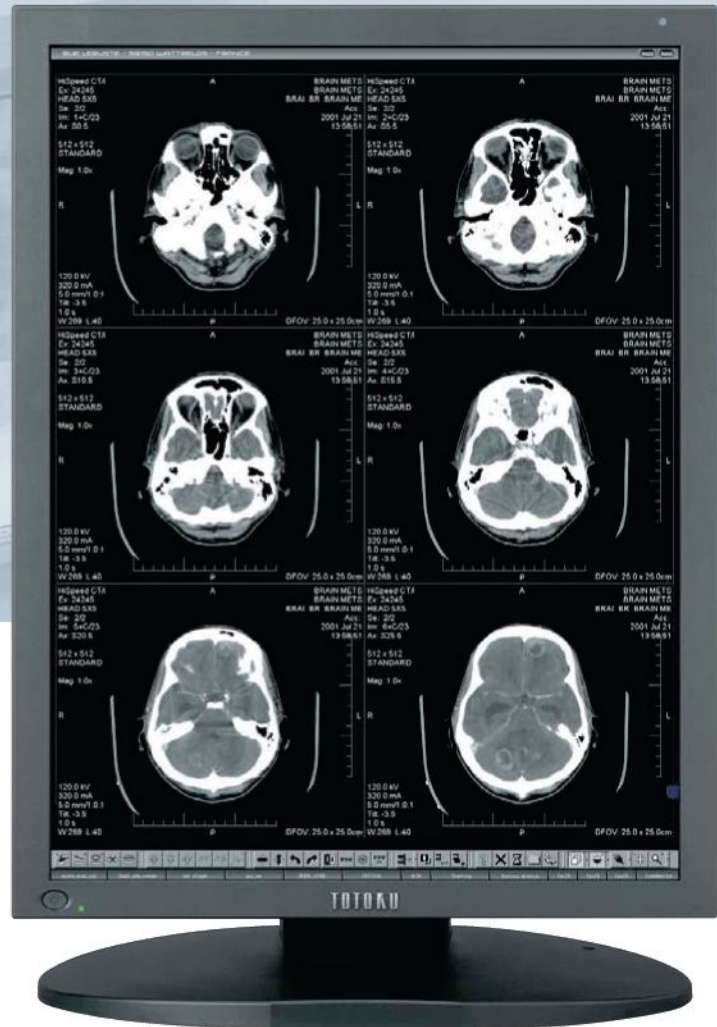
ME253i2 /C (clear base), ME253i2 /B (blue base)



2 Megapixel

i model *i2*

Higher Image Quality
& Total Management



2MP monochrome display for diagnostic imaging

The ME253i2 is a 2MP grayscale display and is widely used by radiologists due to its versatility for multi-modality workstations. The ME253i2 includes luminance uniformity compensation for edge to edge uniformity and is capable of displaying 2048 shades of gray, simultaneously. It also comes standard with a hardware based pivot function for fast image rendering in portrait or landscape orientation.

21.3"	Digital Input	1800 cd/m ²	700:1	Calibration function	11-bit display	Color/Monochrome Conversion	OSD	Luminance Uniformity Correction	Hardware Pivot	LED Indicator	Protective filter
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New 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 Medvisor 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.

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 illuminance.

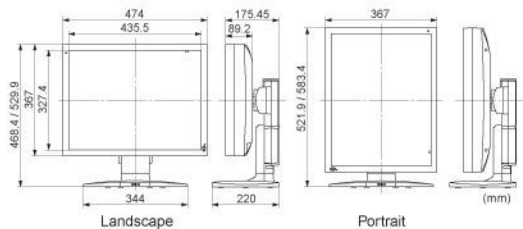
Pairing service to match colors of two displays (Optional)

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	ME253i2 /C (Clear-base), ME253i2 /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 Simultaneous display of 11 bit (2048 shades of gray) is possible with the customized viewer.
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	85W typ. (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, Hardware Pivot, Color/Monochrome conversion, LED indicator
Approvals	UL60601-1, CSA C22.2 No.601.1, MDD/CE, FDA510 (k), MIC, FCC-B, VCCI-B, CCC	
Physical Characteristics	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
	Weight	Net: approx. 11.6kg, Without tiltstand: approx. 7.4kg
	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	



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.