

TOTOKU

2 Megapixel 20.1" Monochrome LCD Display

ME203L

20.1 inch Monochrome LCD panel Analog & Digital 1600 x 1200 High Luminance 700 cd/m² Contrast 1000:1 10-bit Display OSD Adjustment VESA Mounting

***Hardware Pivot Feature for
High-Speed Portrate Display
Built-in Digital Input for Vivid Images***



**A high-definition LCD suited for displaying CT and MRI images
and a wide range of modality applications**

- Sync-on-video compatibility
- Color / black-and-white selection feature for use with a color display
- Dual interface Digital input (DVI) / Analog input (D-sub)
- Hardware pivot function for high-speed, comfortable drawing with high imagequality, even for portrait use
- Excellent 10-bit (1021 tones) gray scale display
- High precision luminance stabilization system
- Calibration software for luminance and gamma correction (option)
- Large 20.1" LCD with wide viewing angle, high luminance and high contrast
- 2 Megapixel display resolution
High pixel density LCD for high image quality: 640 x 480 to 1600 x 1200 (analog / digital)
- Maximum luminance: 700 cd/m², contrast: 1000:1

Sync-on-Video Compatibility

It is possible to changeover to the ME203L from an existing black-and-white CRT display environment, without changing the video board.

Color / Black-and-White Selection Feature

Color signals are converted to the optimal signals for black-and-white display on the ME203L. It is also possible to use another color display at the same time.

Dual Interface

The ME203L provides for a digital interface (DVI) and an analog interface (D-Sub), both of which support wide range display, from VGA (640 x 480) to UXGA (1600 x 1200).

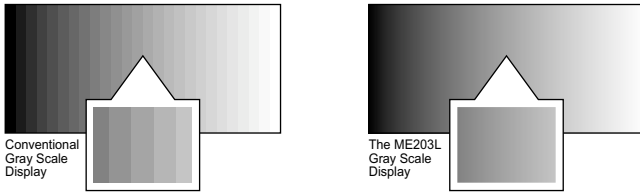
- Digital Video Card (Totoku model LV21P1, optional)
Connecting the optional digital video card ensures crystal-clear images. It is easy to switch the display from vertical to horizontal.
- Analog Video Card
Any video card can be used for display, provided it supports resolution up to 1600 x 1200. However, vertical display with an analog video card is only possible with a video card specified by Totoku.

High-Speed Portrait Display

The built-in hardware pivot feature makes portrait display possible without using software. Achieve faster portrait display than with conventional software-driven image rotation (a specialized video card or a video card specified by Totoku is required).

Excellent 10-bit Gamma Gray Scale Display

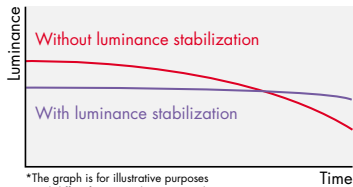
In the past, LCD displays were only able to process 8 bits (256-level gray scale) of data input from the videoboard, so it was difficult to display smooth gradation. The ME203L expands input data from 8 bits to 10 bits, so it can display more precise gradation.



*The images shown are for illustrative purposes and differ from actual images.

High Precision Luminance Stabilization System

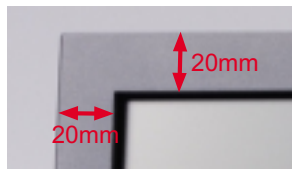
Screen luminance is affected by loss of brightness, due to using the backlight for an extended period of time, and changes in brightness due to temperature. The ME203L employs unique technology to achieve stable luminance that varies little over time and is not affected by temperature changes.



*The graph is for illustrative purposes and differs from actual screen conditions.

Space-saving Slim Design

The ME203L features an improved space-saving design, including a narrow (20 mm) frame, that makes it less bulky than conventional displays.



Medivisor calibration software (optional)

The Medivisor for ME203L calibration software (optional) makes it easy to offset luminance and gamma.

Compliant with Worldwide Standards

This display is certified to worldwide medical standards. It also complies with the Japanese VCCI standard and the guidelines related to power supply harmonics set forth by the Japan Electronic Industry Development Association.

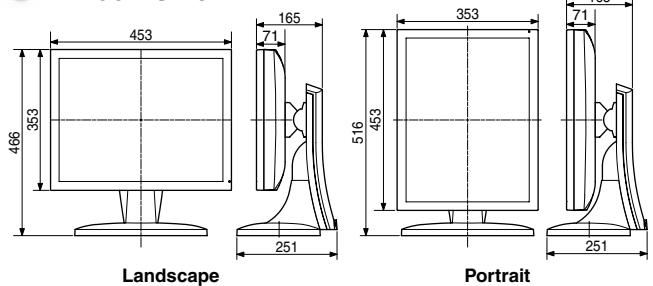
VESA Wall Mounting & Arm Mounting Possible

The ME203L is designed for VESA standard mounting, so it can be wall or arm mounted after removing the tilting base.

ME203L Main Specifications

Model Name	ME203L
LCD panel	20.1" TFT monochrome LCD
	Viewing angle 170° (vertically and horizontally)
	Contrast 1000: 1
Screen display size	Horizontal: 408 mm, vertical: 306 mm (when used horizontally)
Input signal	Digital Input (DVI) / analog input (D-sub)
Resolution	640 x 480 - 1600 x 1200 (analog/digital)
Gray scale display	10-bit (1021-step gradation)
Maximum luminance	700 cd/m ² , 450 cd/m ² when using calibration
Safety standards	Medical Safety: UL2601-1, CSA No.601.1, MDD / CE (EN60601-1) Radio wave (EMC): MDD / CE (EN60601-2), FCC-A, VCCI-A
Dimensions	453 (W) x 466 (H) x 251 (D) mm - landscape 353 (W) x 516 (H) x 251 (D) mm - portrait
Body color	Black
Input power supply	100 - 240 V 50/60 Hz
Power consumption	Appr. 50 W (with power management feature)
Calibration control (optional)	Luminance, gamma
Tilting base	Tilting / swiveling base with vertical, horizontal, and rotating features
Other features	On Screen Display (OSD), DDC2B, RS232C, USB hub
Compatible OS	Microsoft® Windows NT® 4.0 / Windows® 2000
Accessories	AC adapter, power cord, operation manual, DVI cable, VGA cable

ME203L Size



Totoku Electric Co., Ltd. is certified to ISO 14000 for environmental management and ISO 9001 for quality assurance.



	Safety Precautions	To ensure safe use of this product, read "Operation Manual / Safety" before using the product.
Do not install the product in areas where it may be affected by water, dust, humidity, oil or smoke. Storing the product in such conditions could cause a fire, equipment failure or electrical shock.		

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