

TOTOKU

3 Megapixel 20.8" Monochrome Display

ME355i2

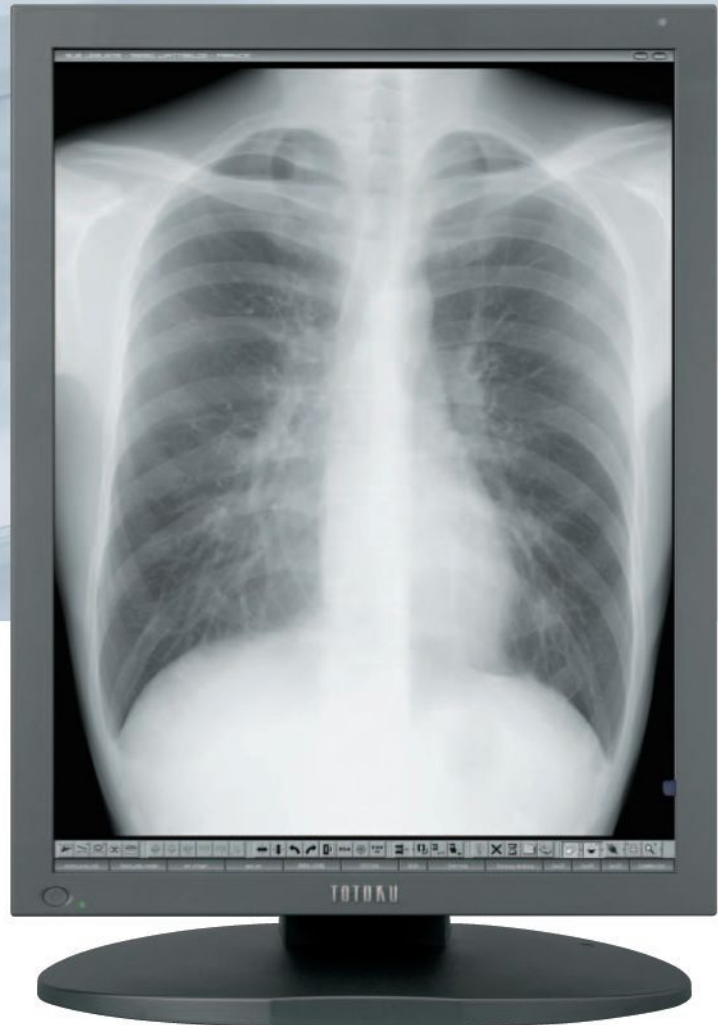


3

Megapixel

i model *i2*

Higher Image Quality
& Total Management



*3MP monochrome display for diagnostic imaging
with excellent image quality control features*

A 3MP display best suited for chest X-rays. 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.

20.8"	Digital Input	1000 cd/m ²	900:1	Calibration function	11-bit display	Color/ Monochrome Conversion	Dual Link input	OSD	Luminance Uniformity Correction	Hardware Pivot	LED Indicator	Protective filter
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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 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. 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.

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.

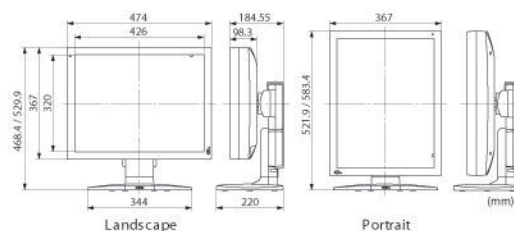
Pairing service to match colors of two displays (Optional)

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	ME355i2
LCD Panel	Technology 20.8-inch, TFT Monochrome, Active matrix
	Display Area 423.9mm X 318.0mm
	Pixel Pitch 0.207mm X 0.207mm
	Contrast Ratio 900:1 typ.
	Maximum Luminance 1000cd/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), 2048 X 1536 (QXGA)
	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, FCC-B, VCCI-B, FDA510 (k), MIC (CCC : pending)
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. 11kg, Without tiltstand: approx. 6.8kg
	Tilt stand Tilt, Swivel, Portrait / Landscape
	Mount 100mm VESA mounting
	Security Slot On the back of the panel and the tilt stand
Accessories	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.