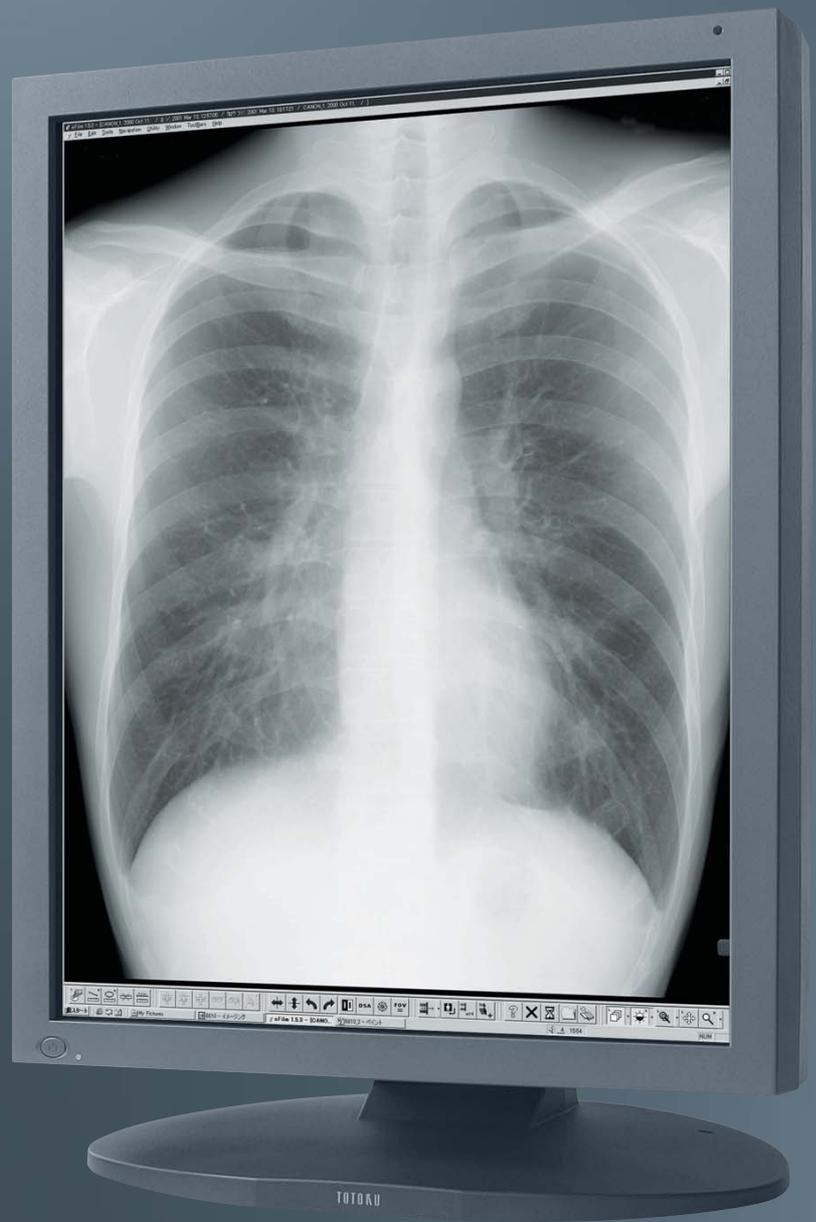# TOTOKU

3 Megapixel
20.8" Monochrome Display

ME351i

Easy evaluation of DICOM GSDF conformance and simultaneous display of 2048 shades of gray

High-performance model for X-ray images. With its capability to simultaniously display 2048 shades of gray, it realizes DICOM GSDF compliant highly accurate images. It is also equipped with a hardware pivot function for fast drawing in portrait orientation.

i model

Higher Image Quality & Total Management
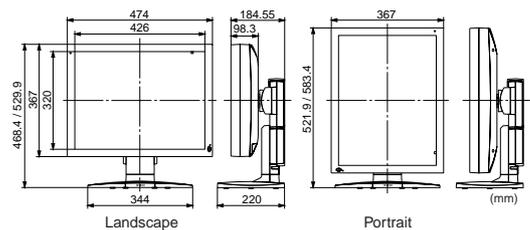
3 Megapixel
Monochrome Display

λ-Sentinel II

| 20.8" | Digital Input | High luminance 1000cd/m² | Contrast 900:1 | Calibration function | 11-bit display | Color/Monochrome Conversion | OSD | Hardware Pivot | 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 11bit (2048 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 11-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.)

▶ **Hardware pivot function for fast drawing in portrait orientation**

▶ **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 checed 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		ME351i
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/m² (Typ.), (calibrated to 410cd/m² by factory default)
	Viewing Angle	170° vertical and horizontal
Visual Performance	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 Along with the customized viewer software, simultaneous display of 11bit (2048) grayscale is possible.
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 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	Hardware Pivot function, 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
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	Antitheft security slot (Panel and tilt stand)
	Protective Filter	Antireflection-coated protective filter
Accessories		AC adapter, Power cord (3P), DVI cable, Serial cable, USB cable, Operation manual

474
426
184.55
98.3
367
468.4 / 529.9
367
320
521.9 / 583.4
344
220
(mm)

Landscape   Portrait

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.

ISO 14001
JQA-EM0674

www.tuv.com
TÜVRheinland
ID: 9105039602
ISO 9001
ISO 13485

⚠ **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.

Please contact the distributor below with inquiries and orders.

2007.08 ME351i-E-A-0.5K-2007.08 SE