

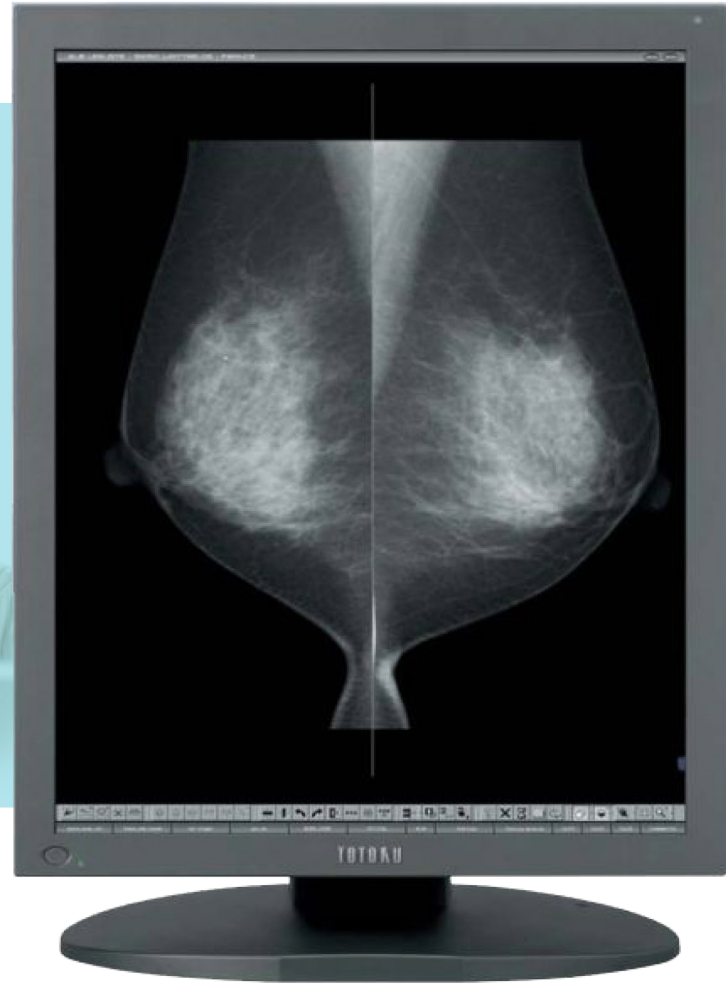


# MS35i2

TOTOKU DISPLAY FOR DIAGNOSTIC IMAGING



3 megapixel | 21.3" | Monochrome Display  
IDS Technology | Medi**i**visor | 



TOTOKU

## Model **i2**

*Higher Image Quality*

### Super High Resolution Display for Mammography

Totoku introduces the MS35i2 equipped with Independent Sub pixel Drive (ISD) Technology to accept higher resolution output from modality devices as a major breakthrough.

21.3"

DVI-D  
Display  
Port

1700  
cd/m<sup>2</sup>

1400:1

Calibration  
Function

1021  
shades of  
grayscale

10-bit  
Display

OSD

Luminance  
Uniformity  
Correction

Hardware  
PIVOT

LED  
Indicator

## 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.

\*Customized view software and graphics card are required for 10-bit images

## Calibration function

Calibrates luminance and gamma to enable smooth grayscale display that is faithful to DICOM GSDF (optional calibration kit is required).

## Simultaneous display of 1276 shades of gray

Realizes smoother grayscale display required for medical image displays.

## Hardware pivot function

Stress-free operation is made possible by fast drawing speed for on-the-fly change to portrait orientation.

## High luminance, high contrast and wide viewing angle

With the highest-in-class luminance and contrast and a wide viewing angle, JVCKenwood's LCD drive technology maximizes the display's performance for the best image quality.

## Dual link input

Provides smooth display for motion pictures..

## OSD information display

With a push of a button, the display's current status can be checked, such as the displays model, total operating time, actual measurement of luminance, and calibration setting.

## LED indicator

A glass at the LED indicator tells you the display's current operating status.

## Enhanced convenience with utility software

Utility software offers enhanced features such as gamma check, ambient light and display luminance measurement, and advanced power saving to reduce power consumption and prevent unnecessary deterioration of the backlight.

## Luminance stabilizing system λ-Sentinel II

The luminance sensor, integrated into the front bezel, consistently monitors and accurately stabilizes luminance on the screen by rapidly communicating with the backlight sensor. In addition, a built-in luminance sensor provided with i2 models, enables even simpler calibration without attaching the calibration 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 Medivisor software is required).

## Worldwide medical safety standards

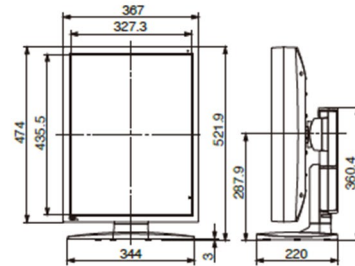
This display is certified under various medical safety standards that are much more demanding than those for general-purpose IT equipment.

## Pairing service to match display colors (Optional)

Medical imaging often uses two displays side-by-side, and its very important that they present the same color temperature. JVCKenwood offers a display pairing service that matches colors of two displays using a high-definition spectrophotometer before shipping. (Consult your dealer for more information about the pairing service.)

## Specifications


Model Name		MS35i2
LCD Panel	Technology	21.3-inch, Monochrome, TFT active matrix IPS Technology
	Display Area	433.2mm × 324.9mm
	Pixel Pitch	0.165mm × 0.165mm
	Contrast Ratio	1400:1 typ.
	Maximum Luminance	1700cd/m <sup>2</sup> (typ) (calibrated to 500cd/m <sup>2</sup> and 410cd/m <sup>2</sup> by factory default)
	Viewing Angle	170° vertical and horizontal
Visual Performance	Native resolution	1536 × 2048, Independent Sub pixel Drive ON: 1536 × 6144 (Sub Pixel)
	Grayscale	256 shades of gray out of 12277 shades of gray. 1024 shades of gray (DisplayPort 10bit input) Simultaneous display of 2048 shades of gray (Independent Sub pixel Drive ON: 1276 shades of gray) are possible with the customized viewer.
Input Signal	Input Sync Signal	DVI-D (DVI 1.0 compliant) DisplayPort (DisplayPort 1.1a compliant)
	Plug and Play	DDC28 compliant
Input Power Supply	Input	100V ~ 240V (±10%) 50/60Hz
	Maximum Power Consumption	60W 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 Correction, Hardware Pivot, LED indicator, Advanced power saving, Configurations switching function, Independent Sub pixel Drive Technology, DICOM conformance self-testing function
Approvals	ANSI/AAMI ES60601-1(2005), CAN/CSA C22.2 NO. 60601-1(2008), CE(EN60601-1, EN60601-1-2), FCC Part15, subpart B Class B, VCCI class B, ICES-3(B), FDA510(k), J-Moss, RoHS	
Physical Characteristics	Dimension (Incl. tilt stand)	Landscape: 474.5 (W) × 482.9 / 544.4 (H) × 220 (D)mm Portrait: 390 (W) × 525.15 / 586.65 (H) × 220 (D)mm
	Weight	Net: approx. 12kg
	Tilt Stand	Tilt, Swivel, Portrait / Landscape
	Mount	100mm VESA mounting
	Security Slot	On the back of the panel and the tilt stand
Accessories	Power cord (3P), DVI cable, DisplayPort cable, USB cable, Operation manual *Cleaning kit (Special AR coating model only)	






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 • Certified Management System  
 • DIN EN ISO 9001  
 • DIN EN ISO 13485  
 TÜV Rheinland  
 ID:9811107400

JVCKENWOOD has obtained ISO14001 and ISO9001/13485 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.



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Totoku monitors manufactured by JVCKenwood, Japan