JVC

2 Megapixel 21.3" Monochrome Monitor

MS-S200

The gold standard in medical imaging
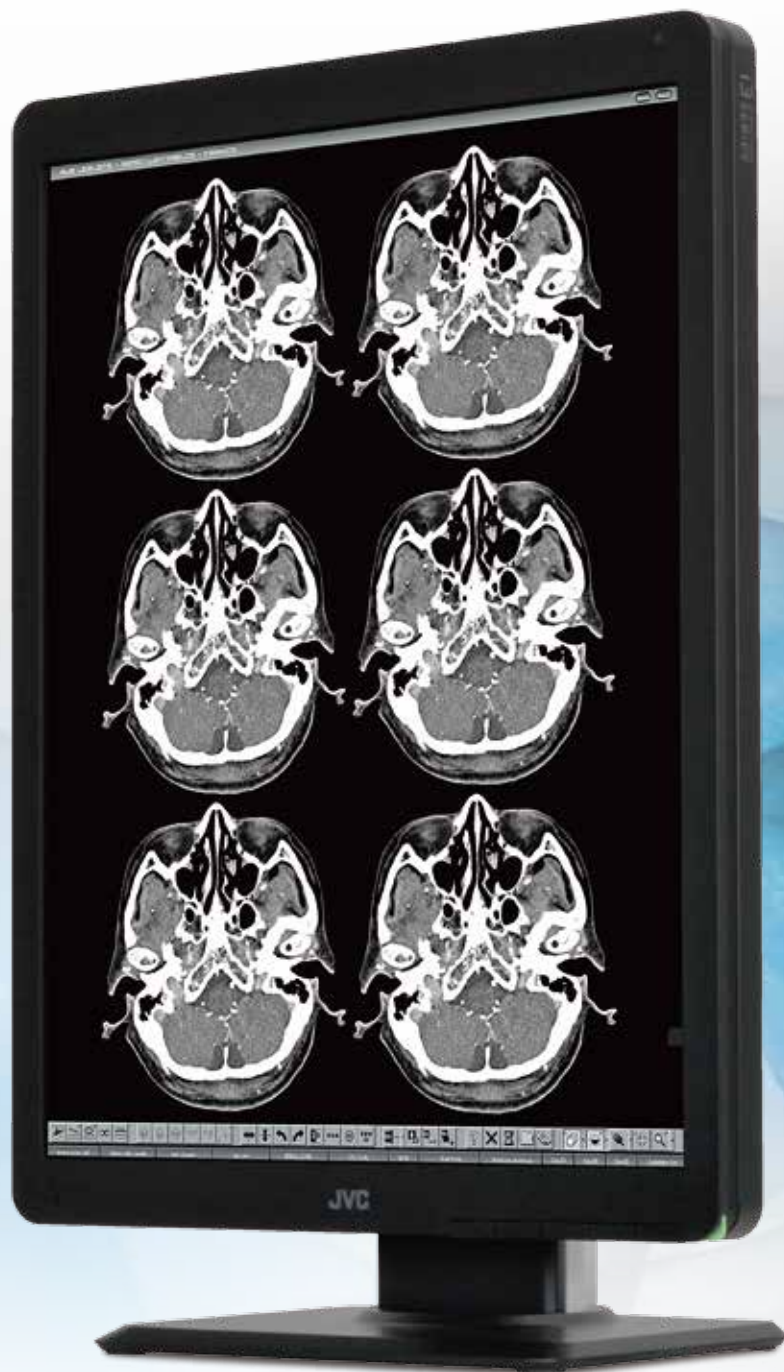
i3 SERIES
for Medical Imaging

| 2MP | 21.3" | 1900 cd/m² | 1800:1 | DisplayPort & DVI-D | Front Sensor | 6MsP Drive | Uniformity Equalizer | DisplayPort Daisy Chains | Human Presence Sensor | LED Backlight | Protective Filter |

2 Megapixel 21.3" Monochrome Monitor
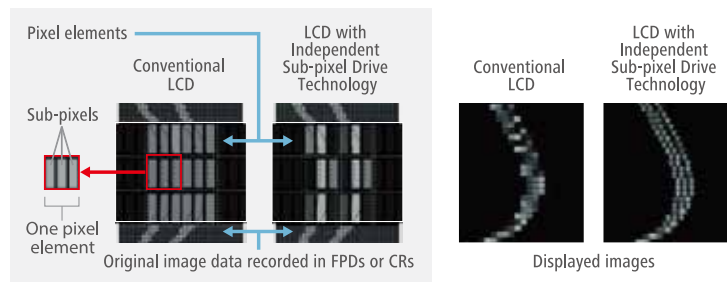# MS-S200

Excellent Diagnostic Visibility

MS-S200 comes with 1800:1 contrast ratio to make it the best solution for diagnostic imaging of DR, CT and MRI etc. The brighter screen dramatically increases the number of perceptual grayscale steps to improve visibility of structures. Diagnostic reading will be much more efficient. One of its unique technologies the built-in sensor ensures that the monitor constantly performs at its best.

QA Medivisor Agent LE

+

Front Sensor

DICOM GSDF

Without Calibration   DICOM Calibration
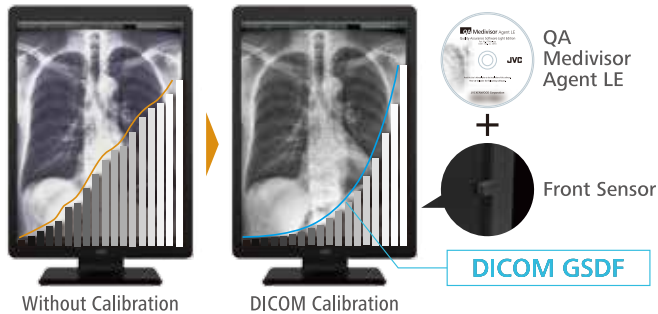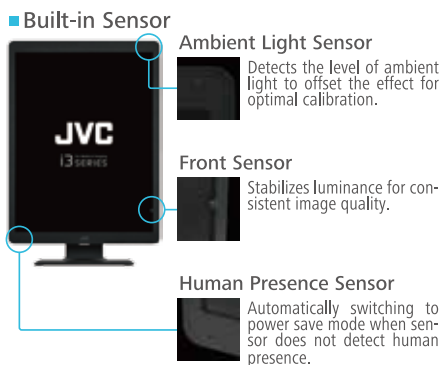
Independent Sub-pixel Drive Technology

This unique technology enables MS-S200 to render 6 mega sub-pixel images, exceeding the current standards for primary diagnosis. This will be a cost-effective way of enhancing the ability of 2MP display. (Patent No.8, 259, 034B2)

Pixel elements

LCD with Independent Sub-pixel Drive Technology

Conventional LCD

Sub-pixels

One pixel element

Original image data recorded in FPDs or CRs

Conventional LCD

LCD with Independent Sub-pixel Drive Technology

Displayed images

*Customized viewer is required
*Independent Sub-pixel Drive technology is built in MS series only

Advanced Features

- Protective Filter
- LED Indicator / Front Buttons
- Built-in Sensor
- Space Saving
- Wire Management / DisplayPort Daisy Chains
- DICOM Conformance Check

■ Built-in Sensor

Ambient Light Sensor
Detects the level of ambient light to offset the effect for optimal calibration.

Front Sensor
Stabilizes luminance for consistent image quality.

Human Presence Sensor
Automatically switching to power save mode when sensor does not detect human presence.

Specifications

Model Name		MS-S200BF : Protective Filter MS-S200BN : No Protective Filter
LCD Panel	Technology	21.3" monochrome TFT IPS technology
	Display Area	324mm × 432mm
	Pixel Pitch	0.270m × 0.270mm
	Maximum Luminance	1900cd/m² (typ.) 500cd/m² (calibrated)
	Contrast Ratio	1800 : 1 (typ.)
	Viewing Angle	178° vertical and horizontal
Visual Performance	Native Resolution	1200 × 1600 (Independent Sub-pixel Drive technology ON : 1200 × 4800)
	Display Colors	256 shades of grayscale are simultaneously displayed from a palette of 16,369 grayscale steps *1024 or 10-bit shades of grayscale with DisplayPort and 10-bit viewer *1276 shades of grayscale by using Independent Sub-pixel Drive technology
Interface	Input Signal	DVI-D (DVI 1.0 compliant) DisplayPort (DisplayPort 1.2a compliant)
	Output Signal	DisplayPort (DisplayPort 1.2a compliant)
	Plug and Play	DDC2B compliant
Input Power Supply	Input Power Supply	100V‐240V / 50·60Hz
	Power Consumption	35W (typ.)
Features	Calibration Control	Luminance, Gamma Capable of storing 3 sets of LUT (Optional Calibration Kit is required)
	OSD Information Display	Model name, Serial No., Total operating time, Calibration settings (Operating time since last calibration, Luminance, Gamma), Current luminance, Ambient light, DICOM conformance
	USB Hub	USB Rev.2 compliant, Self-powered USB upstream connector (×1), USB downstream connector (×2)
	Other Features	Uniformity Equalizer, Hardware pivot, LED indicator, Advanced power management, Human Presence Sensor, Independent Sub-pixel Drive technology, Auto Text Mode, Luminance stabilization, Multiple LUT, Self DICOM check, Self-calibration
Approvals		ANSI/AAMI ES60601-1 (2005) + A1 (2012), CAN/CSA-C22.2 No. 60601-1 (2014), CE (EN60601-1, EN60601-1-2), RCM, FCC Part15 subpart B Class B, ICES-003-B, VCCI-B, FDA510(k), J-Moss, RoHS, EAC
Physical Characteristics	Dimensions (W×H×D)	Landscape : 493.0mm × 451.3 / 546.3mm × 196.5mm Portrait　 : 361.5mm × 517.0 / 612.0mm × 196.5mm
	Weight	approx. 9kg
	Tilt Stand	Tilt, Swivel, Portrait / Landscape
	Mount	VESA standard (100mm × 100mm)
Accessories		Power cord, DisplayPort cable, Operation manual, USB cable, Installation manual, Software (QA Medivisor Agent LE)

Dimensions (mm)

361.5
434.5
493
517~612
326.5
240
+20°
-5°
270.5~365.5
196.5
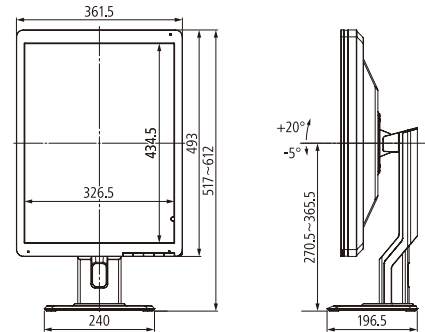
Options

Calibration Kit CAL-016

- QA and calibration software [QA Medivisor Agent]
- Calibration sensor

⚠ **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 our distributor below with inquiries and orders.

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