→ **Product Website**

2-megapixel medical touch monitor

The EIZO MS236WT-A offers first-class image quality with a 16:9 aspect ratio, as well as modern multi-touch operation for digital image distribution. The device ships with a preset DICOM tone curve. Hence it displays the graytones of radiological images correctly. The advantage of this is that the screen display is much better suited to clinical review than images shown on conventional computer monitors. Thanks to IPS-LCD it also offers wide viewing angles. This makes the picture clear and distinct from various directions of view. The MS236WT-A detects up to 10 touches simultaneously and permits smooth and accurate stylus input. It ignores erroneous input, such as from the ball of the hand.

- ✔ 2 megapixel colour LCD monitor with touchscreen
- ✔ Greyscale display with DICOM® tone curve
- ✔ Multi-touch operation (for example zooming, scrolling, turning, moving)

- ✔ Smooth, precise stylus input with hand ball detection
- ✔ IPS-LCD panel with wide viewing angle
- ✔ Flicker-free picture display

Image quality
Precise, high-contrast, bright and crisp screen
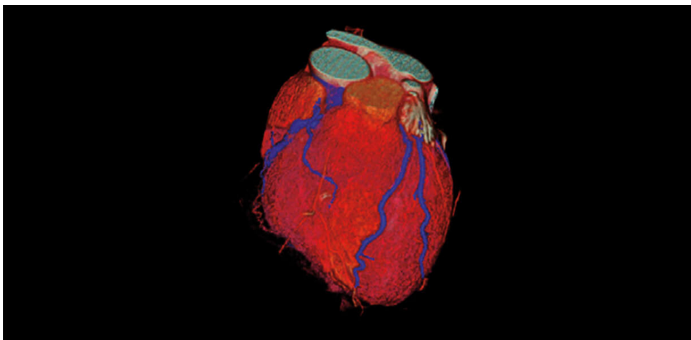
Excellent image quality for the finest details

Thanks to the high 2 Megapixels (colour) resolution, a strong contrast ratio of 1000:1 and stable brightness of up to 260 cd/m^2, the monitor offers excellent image quality. Even the differences between the finest details are shown – regardless of your viewing angle. This is a great advantage if multiple physicians are looking at the screen.
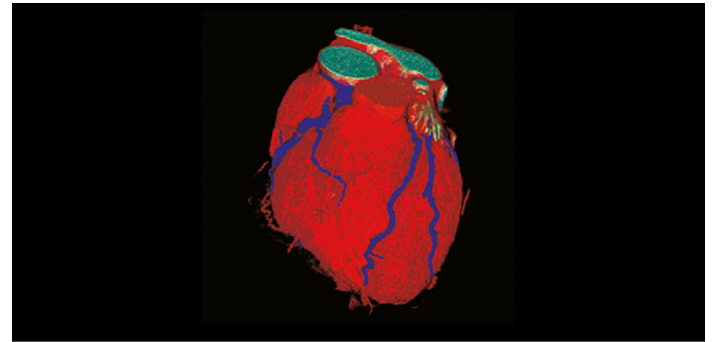

One billion color tones thanks to 10 bit LUT

An internal 10 bit LUT controls color rendering. The color gradations are considerably more exact and finer than the standard 8 bit LUTs, making clinical review easier.

Mit 10-Bit-LUT

Ohne 10-Bit-LUT

Touch functionality
Operation with finger or touch-pen

Fine, precise stylus input

The MS236WT-A contains reliable capacitive touch technology (PCAP) that detects movements with very high precision. Hence you can easily capture even small writing and character input via the screen.
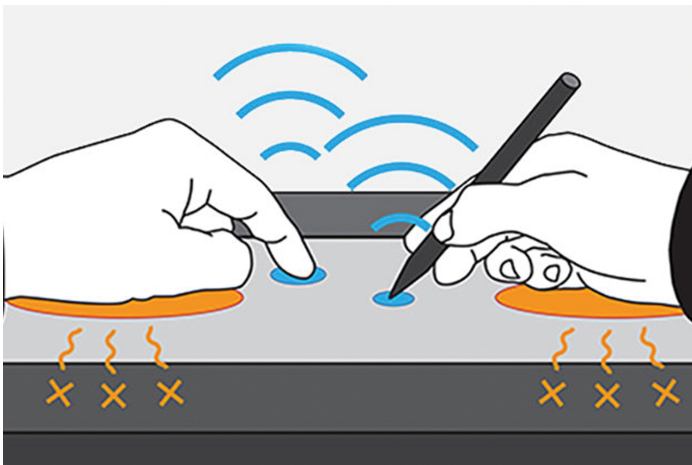
Frameless touchscreen

The display extends right up to the bezels – this means that the entire touch surface can be used without disruptions right up to the edges, which is particularly convenient for swiping and scrolling motions.

Multi-touch screen with robust surface

The monitor can detect up to ten simultaneous touches, which means that multiple individuals can operate the monitor at the same time. Furthermore, the touchscreen is equipped with hand ball recognition. While writing, users can place their hands or arms on the monitor without accidentally triggering an input.

With a hardness of 5H, the glass surface is insensitive to scratches and guarantees to recognize up to 50 million touches.

Touch detection and sensitivity

The monitor is equipped with technology that calibrates the touch sensitivity to minimise incorrect touch response due to environmental factors and electromagnetic noise. This ensures that the screen maintains accurate touch interaction during use.

Users can easily turn touch detection on or off by pushing the button conveniently located on the monitor's outer rim. A button is located on two sides of the monitor for easy access.

Touch operation without additional drivers

The multitouch interface is supported by standard Windows 11, 10 and 8.1 drivers. You can operate the touch panel without additional drivers by simply connecting the USB cable.
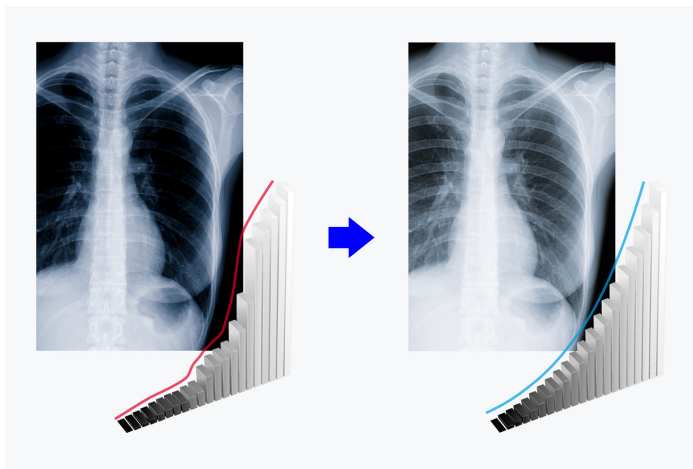
In addition to Windows standard touch drivers, a dedicated touch driver is also available to support touch interaction sounds and mouse emulation.

Improved comfort
Efficiency in diagnostics

Display of DICOM® characteristic at the press of a button

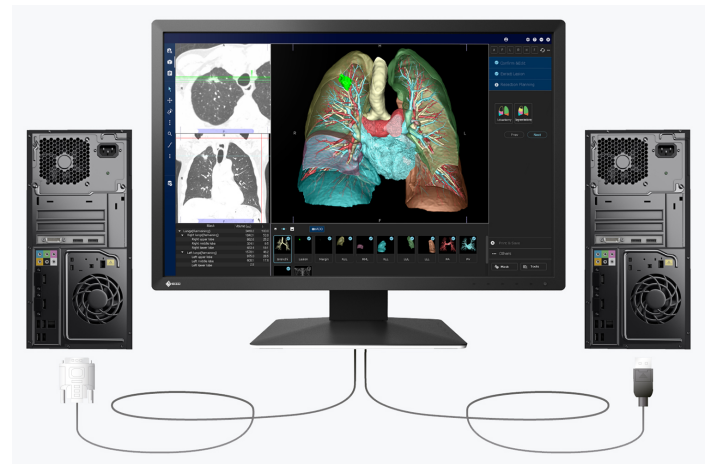EIZO measures and adjusts each tone of grey carefully so that the monitors comply with the DICOM® standard when delivered from the factory. The result is a particularly consistent gradation of grey tones, allowing for optimal radiological clinical reviews.

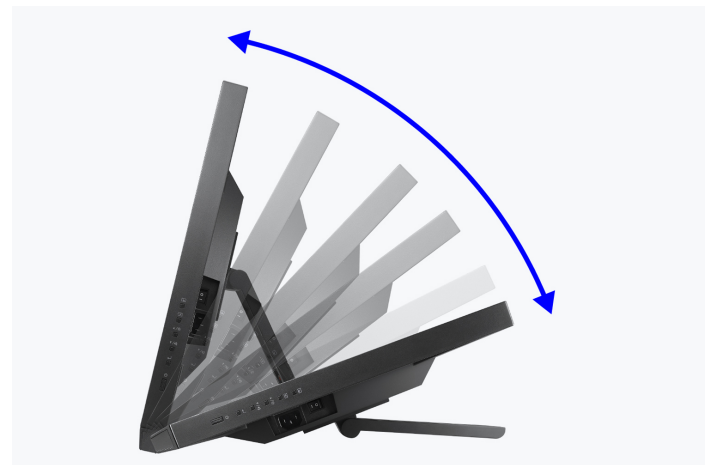### With digital, analog, and audio connection

One DisplayPort and one HDMI input allow the connection of two digital signals simultaneously. A D-sub input is available for an analog signal. You can connect up to three computers simultaneously. You can switch between them automatically or manually, if desired.

A loudspeaker and headphone connection are subtly integrated in the housing. The audio connection to the monitor takes place via the DisplayPort or HDMI connection or the audio jack.

Reclining stand

The equipped stand provides flexible positioning to allow the monitor to rest on your desk like a laptop and recline back to your desired angle. This makes it easy to place the monitor in the ideal position for comfortable use in any environment.

Tilt by moving the base: 15° - 70°

Sustainability
Environmentally and socially conscious production

Socially responsible production

The MS236WT-A is produced in a socially responsible way. It is free of child labour and forced labour. Suppliers along the supply chain have been carefully selected and they have also committed themselves to produce in a socially responsible way. This applies in particular to conflict minerals. We present a detailed report about our social responsibility annually and voluntarily.

Environmentally and climate friendly

Each MS236WT-A is manufactured in our own factory, which implements an environmental and energy management system in accordance with ISO 14001 und ISO 50001. This includes measures to reduce waste, wastewater and emissions, resource and energy consumption, as well as to encourage environmentally conscious behavior among employees. We publicly report on these measures on an annual basis.

Sustainable and durable

The MS236WT-A is designed to have a long service life and normally outlasts the warranty period by some distance. Replacement parts are available many years after production has ceased. The entire lifecycle takes into account the impact on the environment as the longevity of the product and the fact it can be repaired saves resources and protects the environment. When designing the MS236WT-A, we took a minimalistic approach to our resources by using high-quality components and materials, as well as a careful production process.

Warranty
Highest investment security

Three-year warranty

EIZO grants a three-year warranty. This is possible thanks to the highly developed production process based on a simple principle of success: sophisticated and innovative technology, made from high-end materials.

Graphics board recommendation
For precise diagnostics

EIZO Graphics card MED-XN43

The EIZO graphics card supports the properties, functions, and settings of the RadiForce MS236WT-A optimally. It enables precise diagnosis and can control several monitors simultaneously. EIZO offers technical support and warranty service for the graphics card.

To the graphics card overview

Technical Data

GENERAL

Item no.	MS236WT-A
Case color	Black
Areas of application	Healthcare
Product line	RadiForce
EAN	4995047062974

SCREEN

Screen size [in inches]	23
Screen size [in cm]	58
Format	16:9
Viewable image size (width x height) [in mm]	509,2 x 286,4
Resolution in MP	2 Megapixels (colour)
Ideal and recommended resolution	1920 x 1080 (Full HD)
Pixel pitch [in mm]	0,265 x 0,265
Supported resolutions	1920 x 1080 (Full HD), 1680 x 1050, 1280 x 1024, 1024 x 768, 800 x 600, 720 x 400, 640 x 480
Panel technology	IPS
Max. viewing angle horizontal	178
Max. viewing angle vertical	178
Number of colors or greyscale	16.7 million colors (D-Sub, 8 Bit), 16.7 million colors (DisplayPort, 8 Bit), 16.7 million colors (HDMI, 8 Bit)
Color palette/look-up table	1.06 billion color tones / 10 Bit
Max. color space (typical)	sRGB (100%)
Max. brightness (typical) [in cd/m²]	260
Max. dark room contrast (typical)	1000:1
Response time grey-grey alternation (typical) [in ms]	11
Max. refresh rate [in Hz]	60
Backlight	LED

CONNECTIONS

Touch port	USB
Signal inputs	D-Sub, DisplayPort (HDCP 1.3), HDMI (HDCP 1.4)
USB specification	USB 5Gbps (USB 3)
USB upstream ports	1 x type B
USB downstream ports	2x type A
Graphic signal	RGB Analog, DisplayPort, HDMI (RGB, YUV)
Control port	USB-Protocol
Sync formats	Separate
Audio input	3.5 mm stereo jack, DisplayPort, HDMI

FEATURES & OPERATION

Preset color/greyscale modes	2x manual memory locations, sRGB, DICOM
DICOM tone curve	✔
Overdrive	✔
No flickering	✔
HDCP Decoder	✔
Automatic signal input recognition	✔
Built-in speakers	✔
On-screen menu languages	de, en, fr, es, it, se
Adjustment options	Color Mode, Brightness, Contrast, Color temperature /White point, Gamma, Overdrive, Colour tone, Color saturation, Resolution, Scaling, Touch function On/Off, OSD language, Signal input, Volume, Key lock
Touchscreen	✔
Touch panel type	Projected capacitive (PCAP)
Touch compatible OS	Windows 8.1 (64-bit/32-bit), Windows 11, Windows 10
Touch points	10

ELECTRICAL DATA

Frequency	Display Port: 31-68 kHz/59-61 Hz; HDMI: 31-68 kHz/59-61 Hz; D-Sub: 31-81 kHz/55-76 Hz
Power consumption (typical) [in watts]	15
Maximum Power Consumption [in watts]	47 (at maximum brightness with all signal inputs and USB ports in use)
Max. Power consumption in stand-by mode [in watts]	0.5
Power consumption with power switch off [in watts]	0
Energy consumption/1000h [in kWh]	17
Power supply	AC 100-240V, 50/60Hz

DIMENSIONS & WEIGHT

Dimensions (incl. stand) (width x height x depth) [in mm]	556,7 x 143,9-353,9 x 216,3-401,3
Weight (incl. stand) [in kg]	6.6
Dimensions (without stand) (width x height x depth) [in mm]	556,7 x 339,2 x 54
Weight (without stand) [in kg]	6
Dimension drawing (PDF)	Dimension drawing (PDF)
Tiltability forwards/backwards [in °]	15 / 70
Hole spacing	100 x 100

CERTIFICATION & STANDARDS

Operating temperature	5 - 35 °C / 20 - 80 % (R.H., non condensing)
Certification	CE (Medical Device), CSA C22.2 Nr. 601-1, EN60601-1, IEC60601-1, RCM, FCC-B, CAN ICES-3 (B), PSE, VCCI-B, RoHS, WEEE, China RoHS, CCC, BIS, EAC

SOFTWARE & ACCESSORIES

Other box contents	Touch pen incl. mount, USB cable (Type A - Type B), Manual via download, Power cord
Accessories	PM200-K, CP200, PP100-K, TP5
Recommended graphics card	MED-XN43

WARRANTY

Warranty periode	3 years