Manuals+ — User Manuals Simplified.

EIZO
FDF2382WT-A
Multi Touch
Monitor

EIZO FDF2382WT-A Multi Touch Monitor User Guide

Contents

EIZO®

EIZO FDF2382WT-A Multi Touch Monitor

Product Specifications

- **Model:** DuraVision FDF2382WT-A

- **Screen Size:** 23 inches

- **Aspect Ratio:** 16:9

- **Resolution:** Full HD

- **Touch Technology:** Capacitive Touch (PCAP)

- **Touch Points:** Up to 10 simultaneous touches

- **Panel Type:** IPS LCD

- **Flicker-Free**: Yes

- **Color Depth:** 10-bit Look-Up Table

Product Usage Instructions

Touch Functionality:
The FDF2382WT-A monitor supports multi-touch operation allowing actions such as zooming, scrolling, rotating, and shifting. The capacitive touch technology enables precise stylus input and finger touch, making it ideal for various tasks.

Color Control:
The monitor features a 10-bit Look-Up Table for precise color control. Users can adjust color settings with high accuracy, ensuring perfect color representation on the screen.

Frameless Touchscreen:
The frameless design extends the touch surface to the edges, providing a seamless touch experience for gestures like swiping and scrolling.

Touch Detection and Sensitivity:
The monitor is calibrated to minimize incorrect touch responses caused by environmental factors and electromagnetic noise. Users can easily toggle touch detection on or off using the buttons located on the monitor's outer rim.

FAQ

- **How many touchpoints does the monitor support?**

  The monitor can detect up to 10 simultaneous touches, allowing multiple users to interact with the screen at the same time.

- **Does the monitor have palm recognition for stylus input?**

  Yes, the monitor offers palm recognition to ensure accurate stylus input even when the palm is resting on the screen.

INTRODUCTION

The FDF2382WT-A offers the highest picture quality in 16:9 format on a diagonal of 23″. The impressive viewing angle of the IPS LCD module is particularly striking. The undistorted viewing from all angles is optimal for the widescreen format and touch operation, as all controls and information are equally visible. The FDF2382WT-A recognizes up to 10 simultaneous touches and allows smooth and accurate stylus input. It ignores incorrect input, for example, from the palm.

- 23″ touch monitor with 16:9 format and Full HD resolution
- Multi-touch operation (for example, zooming, scrolling, rotating, shifting)
- Smooth and accurate pen input with palm recognition
- Brightness 260 cd/m², contrast 1000:1
- IPS LCD module with wide viewing angles
- Flicker-free image reproduction
- DisplayPort, HDMI, and D-Sub input for digital and analog connection

Image quality

Precise, high-contrast, bright and crisp screen

Maximum image quality thanks to the IPS, Touch PCAP panel
The monitor is capable of all three key elements of excellent image quality: excellent resolution of 1920 x 1080 (Full HD) pixels, maximum contrast of 1000:1, and stable brightness of up to 260 cd/m². That means you will experience razor-sharp text contours, brilliant graphics, and clear images. Thanks to the high-quality IPS, Touch PCAP panels with LED backlight, contrasts, and colors remain stable from every viewing angle.

Precise color control

An image can only be perfect if the colors are, too. This is why EIZO monitors have a 10-bit look-up table at a minimum, which allows the color information to be assigned much more precisely than with conventional 8-bit LUTs. The finest color gradations ensure that gradients are always perfectly displayed, while also offering customized adjustment options. For example, you can adjust the white balance from 4000 K to 10,000 K in 500-K intervals.

Look-Up-Table with 10 and more bit

Look-Up-Table with 8 bit

Flicker-free

The monitor is flicker-free at every brightness setting. This is great for users, as their eyes will not tire as quickly, allowing them to work in front of the screen for longer periods without fatigue.

Overdrive to quickly change images.

The overdrive function accelerates the switching time so that gray-grey changes take place in just 11 ms on average. You can watch movies and fast image changes without annoying afterglow. When scrolling and positioning windows or images, the display is legible in fractions of a second – faster than it can be perceived. Power consumption and energy efficiency are always in view.

Touch functionality

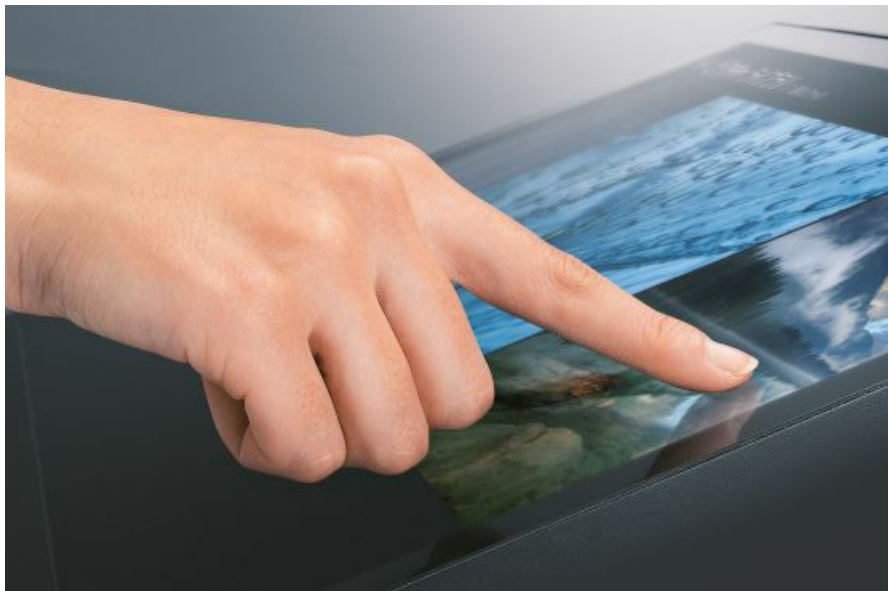**Operation with finger or touch-pen**

Fine, precise stylus input

The FDF2382WT-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 ś 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 handball 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 minimize 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 pressing the button conveniently located on the monitor's outer rim. A button is located on two sides of the monitor for easy access.
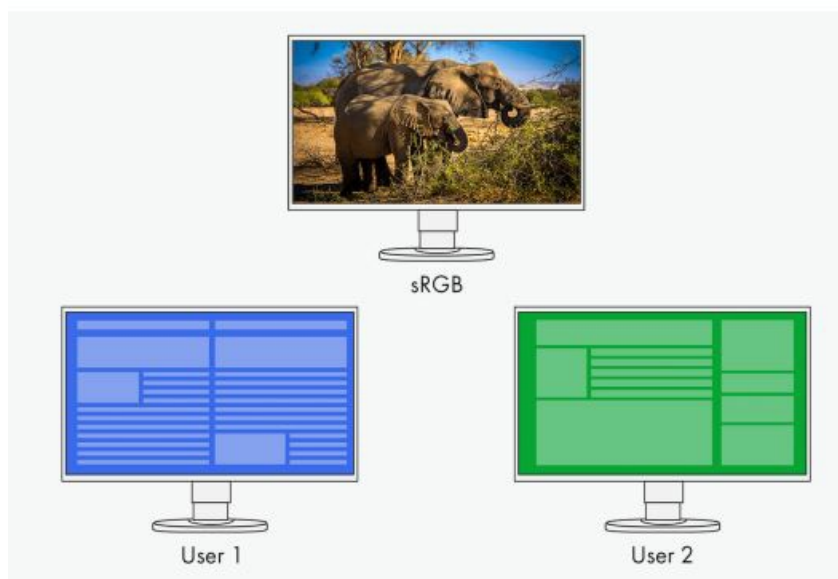
Touch operation without additional drivers

- 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.

Easy to use

Features for greater comfort

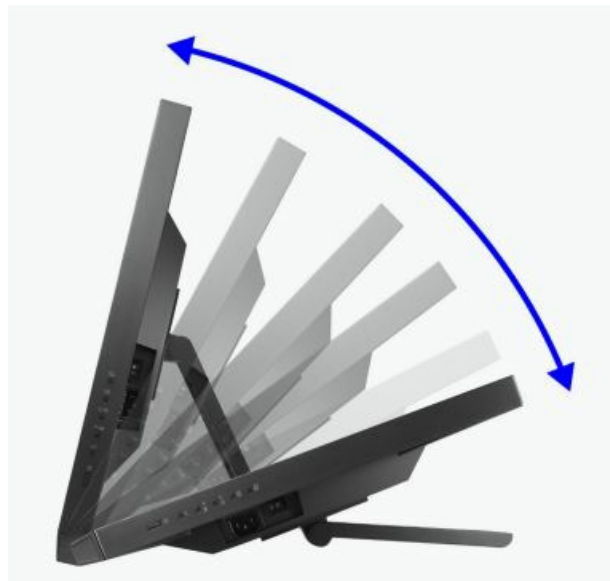**Preset color modes: optimized display at the touch of a button**
Preset color modes make it easier for you to work and view images, texts, and videos. This is because when choosing color settings, it makes a difference whether you are looking at a film, editing an image, surfing the Internet, or writing texts. You can configure the respective default settings for brightness, gamma correction, and color temperature at the press of a button.

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°

Variety of ports

Best connectivity

One monitor, many ports
It couldn't be easier: Most end devices, such as PC, laptops, mice, keyboards, or headphones, can be connected directly to the monitor, thanks to its wide range of signal interfaces and ports. This makes your daily work easier and ensures a tidy desk.

Durability And Reliability

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.

24/7 use
The FDF2382WT-A is built for 24-hour use and is characterized by maximum reliability.

Sustainability

Environmentally and socially conscious production

Save energy effortlessly
Energy efficiency is an important aspect of the development of EIZO monitors. The monitors are equipped with features and functions to reduce power consumption to a minimum.

Zero-watt consumption thanks to the power switch
The monitors have an integrated mechanical power switch, which is extremely practical and energy-saving: If you switch off the monitor using the power switch, the device will stop consuming any power at all. Moreover, it consumes a maximum of 0.5 watts in standby mode.

Sustainable and durable
The FDF2382WT-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 FDF2382WT-A, we took a minimalistic approach to our resources by using high-quality components and materials, as well as a careful production process.

Socially responsible production
The FDF2382WT-A is produced in a socially responsible way. It is free of child labor and forced labor. 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 FDF2382WT-A is manufactured in our factory, which implements an environmental and energy management system by ISO 14001 and 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.

Technical Data

- **GENERAL**
  - **Item no.** FDF2382WT-A
  - **Case Color** Black
  - **Areas of application** Video surveillance, Industry
  - **Product line** DuraVision
  - **Areas of application** Touch and video monitors, Automation, Video Surveillance, Large and medium-sized companies, Private users & small businesses, Control rooms
  - **EAN** 4995047063216
- **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
  - **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, Touch PCAP
  - **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** DisplayPort (HDCP 1.3), HDMI (HDCP 1.4), D-Sub
  - **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
  - **HDCP Decoder** ✔
  - **Automatic signal input recognition** ✔

- **Built-in speakers** ✔
- **On-screen menu languages** de, en, fr, es, it, see
- **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
- **Integrated power unit** ✔
- **Touchscreen** ✔
- **Touch panel type** Projected capacitive (PCAP)
- **Touch compatible** OS Windows 8.1 (64-bit/32-bit), Windows 11, Windows 10
- **Touchpoints** 10

- ELECTRICAL DATA
  - **Frequency** D-Sub: 31-81 kHz/55-76 Hz; Display Port: 31-68 kHz/59-61 Hz; HDMI: 31-68 kHz/59-61 Hz
  - **Power consumption (typical) [in watts]** 12
  - **Maximum Power Consumption [in watts]** 47 (at maximum brightness with all signal inputs and USB ports in use)
  - **Max. Power consumption in standby mode [in watts]** 0.5
  - **Power consumption with power switch off [in watts]** 0
  - **Energy Efficiency Class** E
  - **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 144,9-353,9 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., noncondensing)
  - **Certification** CE, UKCA, CB, RCM, cTÜVus, FCC-B, CAN ICES-3 (B), TÜV/S, PSE, VCCI-B, RoHS, WEEE, China RoHS, CCC

- SOFTWARE & ACCESSORIES
  - **Other box contents** Signal cable HDMI – HDMI, USB cable (Type A – Type B), Signal cable DisplayPort – DisplayPort, Power cord, Quick guide
  - **Accessories** PM200-K (DisplayPort cable to transfer digital video and audio signals), CP200 (USB-C to DisplayPort cable), PP100-K (DisplayPort cable), TP5 (Touch panel pointers)

- WARRANTY
  - **Warranty pperiod**3 years

ABOUT COMPANY

Find your EIZO contact:

- EIZO Europe GmbH
- BeBelgradetraße 2
- 41069 Mönchengladbach
- **Phone:** +49 2161 8210-0
- **www.eizo.eu**

Documents / Resources

	EIZO FDF2382WT-A Multi Touch Monitor [pdf] User Guide FDF2382WT-A, FDF2382WT-A Multi Touch Monitor, FDF2382WT-A, Multi Touch Monitor, Touch Monitor, Monitor

References

- ◆ **EIZO | Monitors and visual solutions**
- ◆ **EIZO | Monitors and visual solutions**
- ◆ **DuraVision FDF2382WT-A | Multi-Touch Monitor with Full HD Resolution**
- **User Manual**