Setup Manual

DuraVision® FDX1502T

Touch Panel Color LCD Monitor

Important

Please read this “Setup Manual”, and “User’s Manual” (separate volume) carefully to familiarize yourself with safe and effective usage.
Please retain this manual for future reference.

- **For monitor adjustment and settings, refer to the “User’s Manual”.**
- **For the latest product information including the “Setup Manual”, refer to our web site :**
  www.eizoglobal.com

SAFETY SYMBOLS

This manual and this product use the safety symbols below. They denote critical information. Please read them carefully.

WARNING	Failure to abide by the information in a WARNING may result in serious injury and can be life threatening.
CAUTION	Failure to abide by the information in a CAUTION may result in moderate injury and/or property or product damage.
	Indicates a warning or caution. For example, indicates an “electrical shock” hazard.
	Indicates a prohibited action. For example, means “Do not disassemble”.

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PRECAUTIONS

IMPORTANT

- This product is intended to be used with an industrial device designed to build industrial systems.
  - Transportation systems (Ship, aircraft, train, automobile, etc.)
  - Safety devices (Disaster prevention system, security control system, etc.)
  - Equipment with direct effect on human life (Life support systems, Medical equipment or devices used in the operating room, etc.)
  - Nuclear energy control devices (Nuclear energy control systems, security control systems of nuclear facilities, etc.)
  - Main line devices (Operation control for transportation, control systems specific to aircrafts, etc.)
- To ensure personal safety and proper maintenance, please read this section.

Symbols on the unit

Symbol	This symbol indicates
⎓	Direct current

⚠ WARNING

This product is intended to be housed in an enclosure. Do not use the bare monitor separately.
Attempting to use a malfunctioning unit may result in electric shock, or equipment damage.

If the unit begins to emit smoke, smells like something is burning, or makes strange noises, disconnect all power connections immediately and contact your EIZO representative for advice.
Attempting to use a malfunctioning unit may result in fire, electric shock, or equipment damage.

Do not disassemble or modify the unit.
Opening the cabinet or modifying the unit may result in fire, electric shock, or burn.

Refer all servicing to qualified service personnel.
Do not attempt to service this product yourself as opening or removing covers may result in fire, electric shock, or equipment damage.

Keep small objects or liquids away from the unit.
Small objects accidentally falling through the ventilation slots into the cabinet or spillage into the cabinet may result in fire, electric shock, or equipment damage. If an object or liquid falls/spills into the cabinet, unplug the unit immediately. Have the unit checked by a qualified service engineer before using it again.

Use the unit in an appropriate location.
Otherwise, fire, electric shock, or equipment damage may result.

- Do not place outdoors.
- Do not place in any form of transportation (ships, aircraft, trains, automobiles, etc.).
- Do not place in dusty or humid environments.
- Do not place in locations where water may be splashed on the screen (bathrooms, kitchens, etc.)
- Do not place in locations where steam comes in direct contact with the screen.
- Do not place near heat generating devices or humidifiers.
- Do not place in locations where the product is subject to direct sunlight.
- Do not place in environments with inflammable gas.
- Do not place in environments with corrosive gases (such as sulfur dioxide, hydrogen sulfide, nitrogen dioxide, chlorine, ammonia, and ozone)
- Do not place in environments with dust, components that accelerate corrosion in the atmosphere (such as sodium chloride and sulfur), conductive metals, and so on

To avoid danger of suffocation, keep the plastic packing bags away from babies and children.

Do not touch a damaged LCD panel directly with bare hands.
Liquid crystal is poisonous. If any part of your skin comes in direct contact with the panel, wash thoroughly. If liquid crystal enters your eyes or mouth, immediately flush with large amounts of water and seek medical attention.

For installment in high locations, ask for the help of a professional.
When installing the monitor in a high location, there is a risk of the product or its parts falling and causing injury. Ask for help from us or from a professional who specializes in construction work when installing the monitor, including an inspection of the product for any damage or deformities both before and after installing the monitor.

⚠ CAUTION

Handle with care when carrying the unit.

Disconnect the power cord and cables when moving the unit. Moving the unit with the power cord or cables attached is dangerous and may result in injury.

Do not block the ventilation slots on the cabinet.

- Do not place any objects on the ventilation slots.
- Do not install the unit in a place with poor ventilation or inadequate space.
- Do not use the unit laid down or upside down.

Blocking the ventilation slots prevents proper airflow and may result in fire, electric shock, or equipment damage.

Do not use the power jack and DC power terminal block at the same time.

This may result in fire, electric shock, or damage to the power supply system.

Periodically check the tightening of screws.

If screws are loose, the monitor may detach and cause injury or equipment damage.

Notice for this product

About the Usage of This Product

This product may not be covered by warranty for uses other than those described in this manual.

The specifications noted in this manual are only applicable when the following are used:

- Signal cables specified by us

Only use optional products manufactured or specified by us with this product.

About the LCD Panel

It takes about 30 minutes (under our measurement conditions) for the monitor display to stabilize. Please wait 30 minutes or more after the monitor power has been turned on, and then adjust the monitor.

Monitors should be set to a lower brightness to prevent a loss in the screen quality caused by long-term use and to maintain stable use.

When the screen image is changed after displaying the same image for extended periods of time, an afterimage may appear. Use the screen saver or power save function to avoid displaying the same image for extended periods of time. Depending on the image, an afterimage may appear even if it was displayed for a short period of time. To remove such a phenomenon, change the image or keep the power turned off for several hours.

If the monitor displays continuously over a long period of time, smudges or burn-in may appear. To maximize the life of the monitor, we recommend the monitor be turned off periodically.

The LCD panel is manufactured using high-precision technology. Although, missing pixels or lit pixels may appear on the LCD panel, this is not a malfunction. Percentage of effective dots: 99.9994 % or higher.

The backlight of the LCD panel has a fixed lifetime. Depending on the usage pattern, such as usage for long continuous periods, the lifespan of the backlight may run out sooner, requiring replacement. When the screen becomes dark or begins to flicker, please contact your local EIZO representative.

Do not scratch or press on the LCD panel with any sharp objects, at this may result in damage to the LCD panel. Do not attempt to brush with tissues as this may scratch the panel.

(Cautions for the Use of the Touch Panel)
During touch operation
Be careful of the following points. Otherwise, damage may occur to the monitor.

- Do not strongly press, scratch, or poke the panel.
- Do not touch the panel with hard objects such as ballpoint pens or metals.

About the Installation

When the product is cold and brought into a room or the room temperature goes up quickly, dew condensation may occur on the interior and exterior surfaces of the product. In that case, do not turn the product on. Instead wait until the dew condensation disappears, otherwise it may cause some damage to the product.

About the Maintenance

Periodic cleaning is recommended to keep the product looking new and to prolong its operation lifetime (refer to “Cleaning” (page 7)).

Cleaning

The stains on the cabinet and LCD panel surface can be removed by moistening part of a soft cloth with water or by using ScreenCleaner (available as an option).

Attention

- Do not allow liquid to enter the clearance between the panel and the panel frame.
- Chemicals such as alcohol and antiseptic solution may cause gloss variation, tarnishing, and fading of the cabinet or LCD panel, and also quality deterioration of the image.
- Never use thinner, benzine, wax, or abrasive cleaner as they may damage the cabinet or LCD panel surface.

To use the monitor comfortably

- An excessively dark or bright screen may affect your eyes. Adjust the brightness of the monitor according to the environmental conditions.
- Staring at the monitor for a long time tires your eyes. Take a 10-minute rest every hour.

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Chapter 1 Introduction

Thank you very much for choosing an EIZO color LCD monitor.

1-1. Package Contents

Check that all of the following items are contained in the package. If any of these are missing or damaged, contact your dealer or local EIZO representative listed on the attached sheet.

Note

- The User's Manual is not packaged with the product. Download it from our web site according to the following procedure.
  1. Access www.eizoglobal.com.
  2. From the menu, select "Support" > "Manuals".
  3. In the "Enter model name" text box, enter "FDX1502T", and then press the "Search" button.
  4. Click the PDF icon for the User's Manual.
- It is recommended that the box and packing materials be stored so that they can be used to move or transport this product.

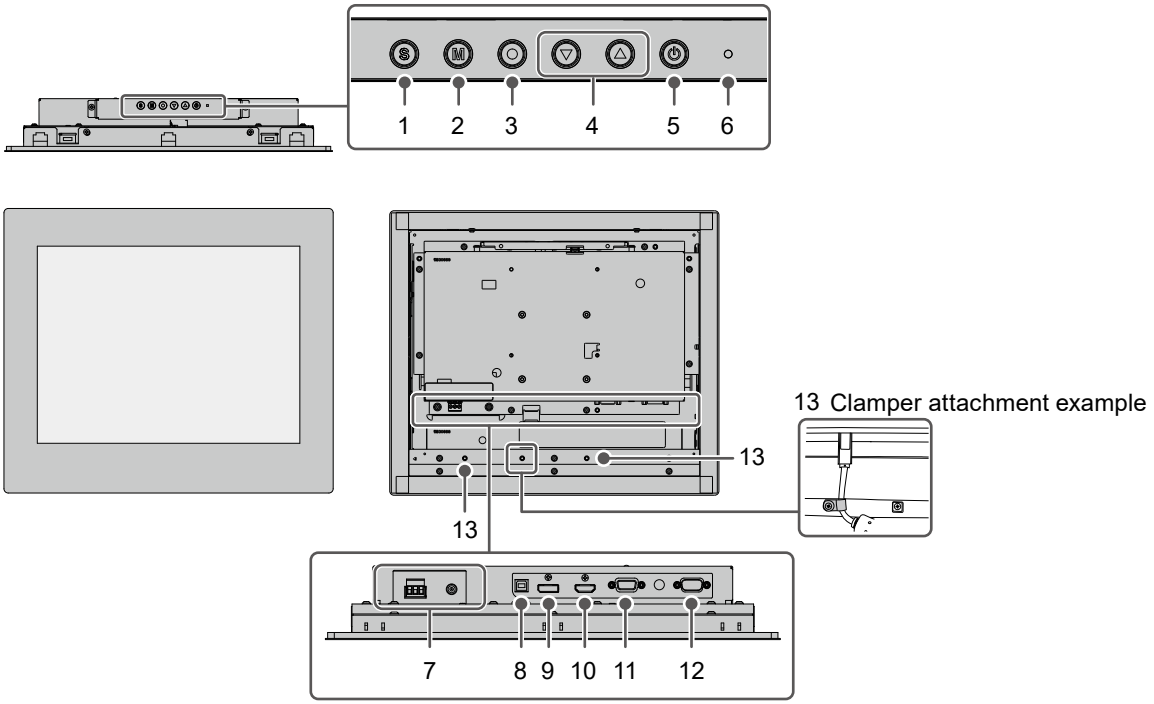
- Monitor
- Analog signal cable
  (D-Sub - D-Sub)
  MD-C87

- Digital signal cable
  (HDMI - HDMI)
  HH200HS

- USB cable
  (USB-A - USB-B)
  MD-C93

- Setup Manual (this document)
- Customer Service Representative Information
- VESA mounting screws M4x10 x 4
- Clamper x 3
- Clamper fasteners M4x10 x 3
- Mounting fittings x 8

1-2. Controls and Functions



1. Ⓢ button	Switches the displayed input signal.
2. Ⓜ button	Switches color modes.
3. ⦿ button	Displays the Setting menu, and lets you make adjustments on each menu and save the adjustments when you are finished.
4. ▲ ▼ button	Selects items or adjusts/sets functions while displaying the Setting menu, and displays the adjustment screen for the brightness.
5. ⏻ button	Turns the power on or off.
6. Power indicator	Indicates the monitor's operation status. Blue: Normal operation mode Orange: Power saving mode Off: Main power turned off / power turned off
7. Power connector*1	Left: DC power terminal block / Right: Power jack (DC-IN)
8. USB-B connector (upstream) *2	Connect a USB cable to the monitor when you use it as a touch panel monitor.
9. DisplayPort connector	Connects a PC with DisplayPort output.
10. HDMI connector	Connects a PC with HDMI output.
11. D-Sub mini 15-pin connector	Connects a PC with D-Sub output.
12. RS-232C port*2	Connect a RS-232C cable to the monitor when you use it as a touch panel monitor.
13. Clamper fastener holes (x 3)	Attach the clampers to prevent the cable from falling off. Put the cable into the clampers, and secure it with the fasteners (M4x10) (see figure above).

*1 Do not use the DC power terminal block and the power jack simultaneously. This may result in fire or electrical shock, or damage to the power system.

*2 These cannot be used simultaneously.

Chapter 2 Installation / Connection

2-1. Installing

Attention

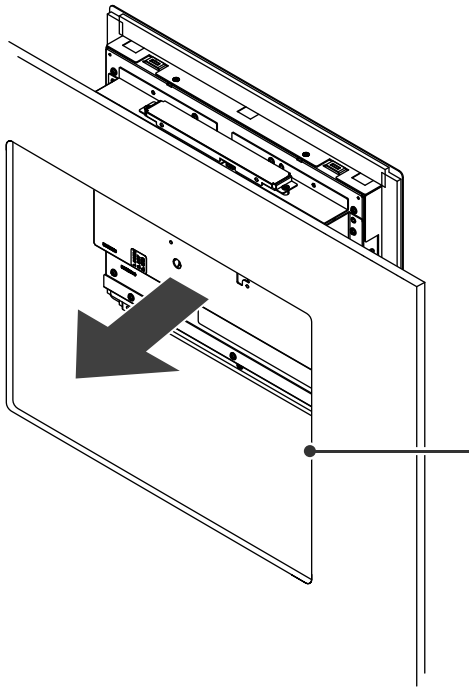
- Before installing into the case, first adjust the monitor settings, install the touch panel driver, and so on.

● Attachment Procedure

Attention

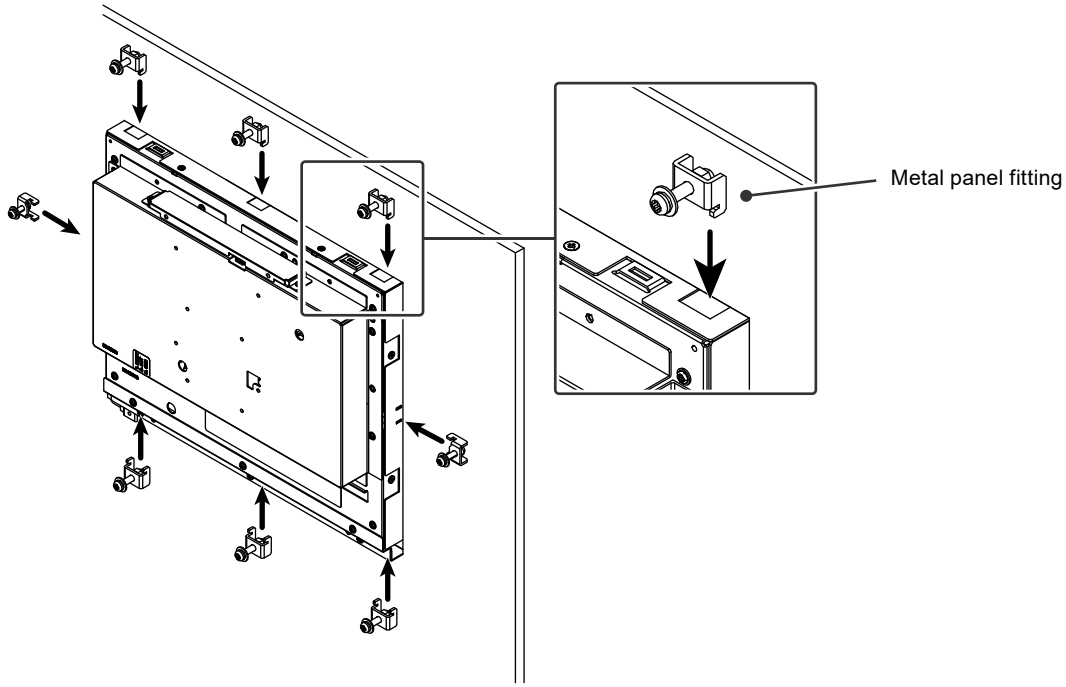
- The panel this product attaches to is fastened with metal panel fitting screws. Please note the following points when choosing a panel.
  - The flatness is a maximum of 0.5 mm
  - The thickness is a maximum of 5 mm
  - The structure is strong enough to withstand fastening with the screws

1. Insert the monitor into the opening of the panel.

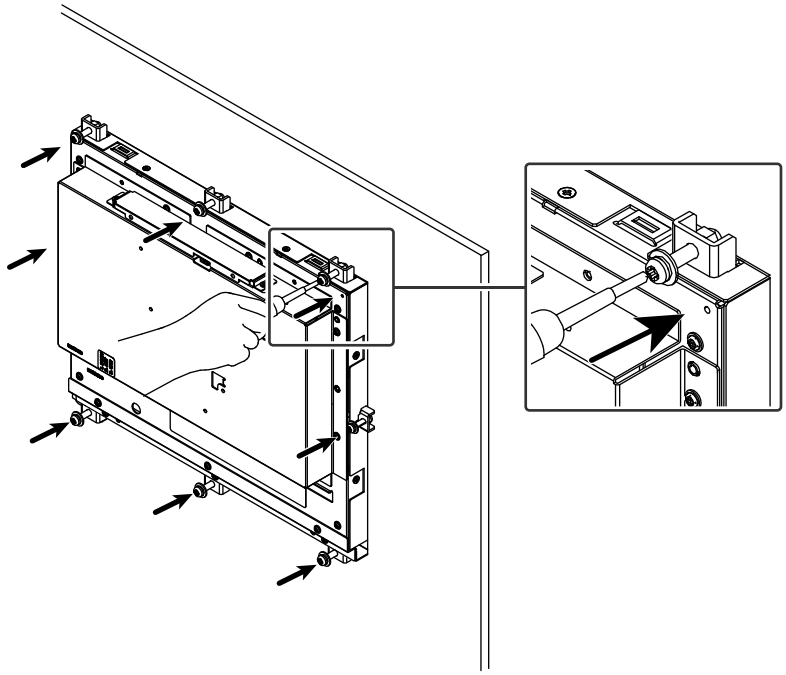


Installable panel opening dimensions:
341 ± 0.5 mm × 289 ± 0.5 mm

2. Mount the included metal panel fittings on the monitor (mounting points x 8).



3. Tighten the screws for the metal panel fittings at the prescribed torque (0.6 N·m - 0.7 N·m) to fasten them.



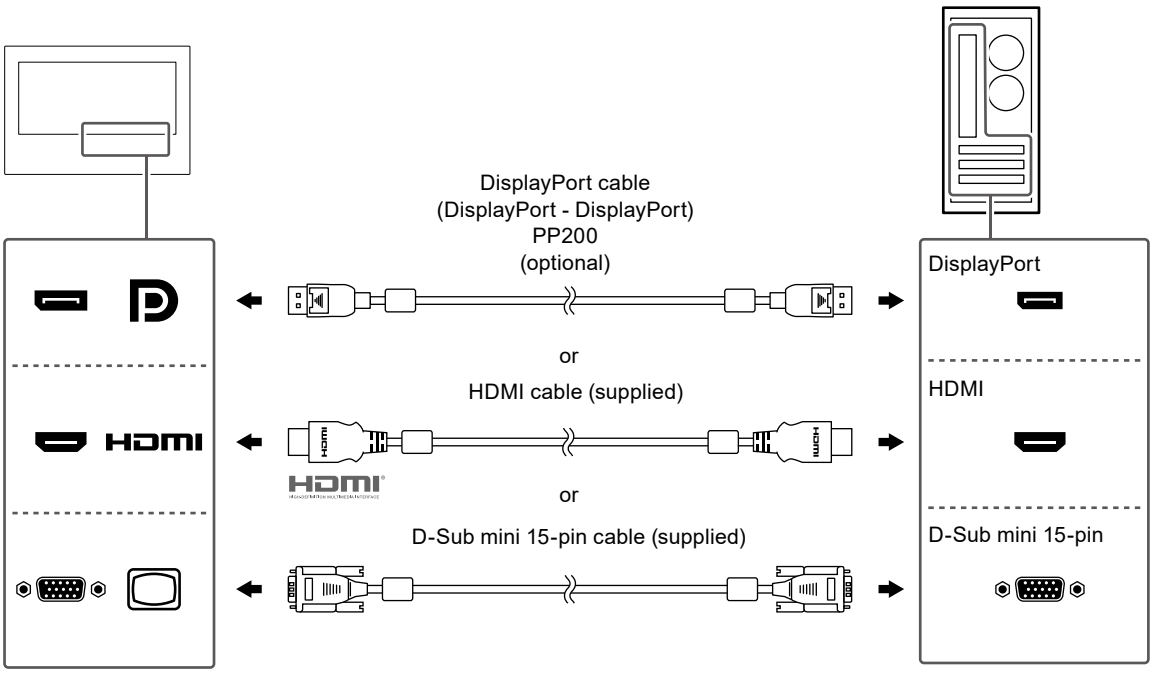
2-2. Connecting Cables

Attention

- Check that the monitor, PC, and peripherals are powered off.
- When replacing the current monitor with this monitor, refer to "6-2. Compatible Resolutions" in the User's Manual to change the PC settings for resolution and vertical scan frequency to those that are available for this monitor, before connecting the PC.

1. Connect signal cables.

Check the shapes of the connectors, and connect the cables. After connecting the D-Sub mini 15-pin cable, tighten the fasteners to secure the connector.

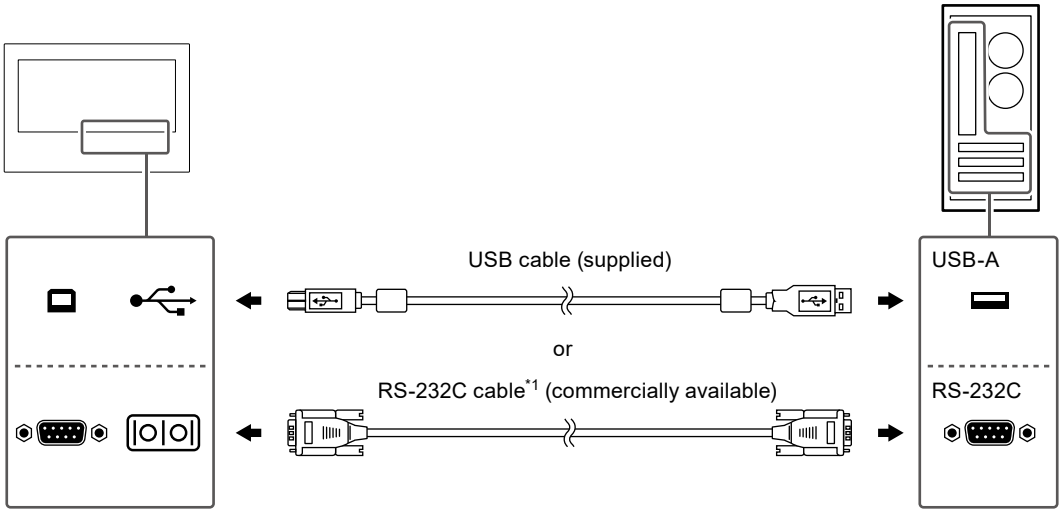


Attention

- When connecting to multiple PCs, switch the input signal. Refer to the User's Manual for details.

2. Connect the touch panel cable.

Use either the USB cable or the RS-232C cable to connect the PC to the monitor.



*1 Cross type. The connector type on the monitor is D-Sub 9-pin.
By default, RS-232C serial transfer is disabled. For details on how to change the settings, see “4-2. Functions of the “Administrator Settings” Menu” in the User’s Manual.

3. Connect the monitor to a power source.

The power supply can be connected using the DC power terminal block or DC power jack (DC-IN). Connect with one of these methods according to the installation environment and usage conditions.

Attention

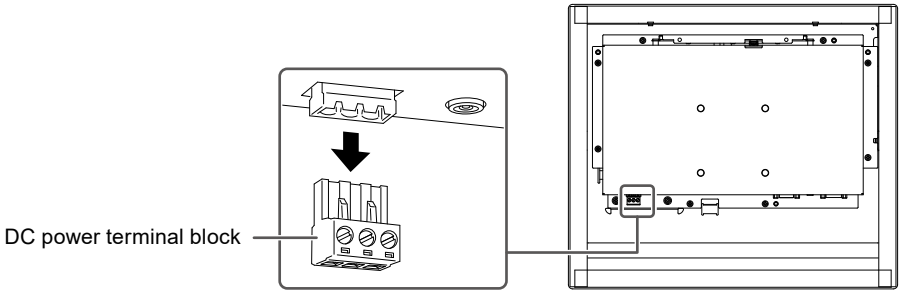
- Do not use the DC power terminal block and the power jack simultaneously. This may result in fire or electrical shock, or damage to the power system.

Using the DC power terminal block

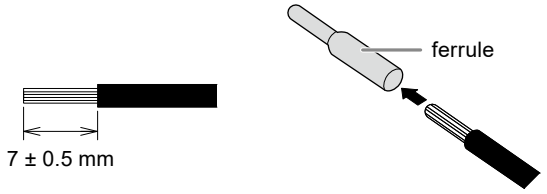
Attention

- Use 18 to 12 AWG (0.8 to 3 mm^2) wires.

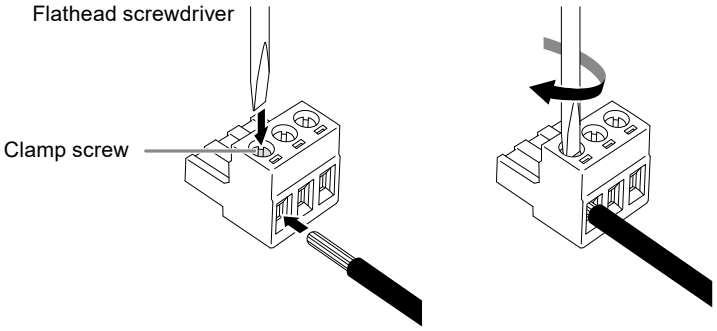
1. Remove the terminal block.

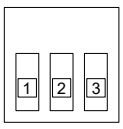


2. Strip the wire coating (strip wire length: 7 ± 0.5 mm). If the tip needs to be adjusted, attach a rod terminal (ferrule). Use a ferrule manufactured by Phoenix Contact.



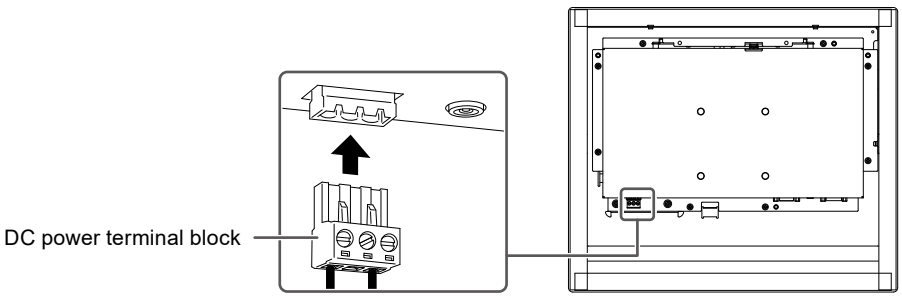
3. Insert the wire into the terminal block and tighten the clamp screw using a flathead screwdriver with a tip width of 2.5 mm (recommended torque: 0.5 to 0.6 N-m).





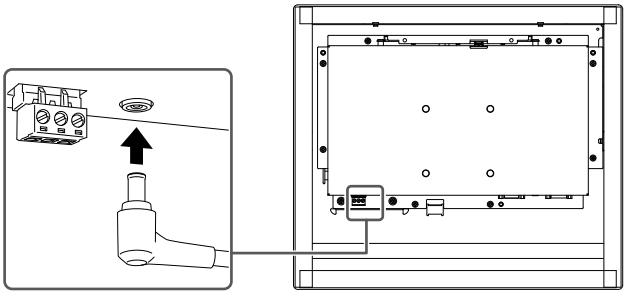
Pin No.	Input Signal
1	12 VDC
2	NC
3	Ground

4. Attach the terminal block.



Using DC power jack (DC-IN)

1. Plug the DC power cord firmly into the DC power jack.



2-3. Turning On the Power

1. Press ⏻ to turn on the power to the monitor.

The monitor’s power indicator lights up blue.

If the power indicator does not light up, refer to "5-1. No Picture" in the User's Manual.

2. Turn on the PC.

The screen image appears.

If the screen image does not appear after turning on the PC, refer to "5-1. No Picture" in the User's Manual.

Attention

- For maximum power saving, it is recommended that the Power button be turned off. When not using the monitor, you can disconnect the power plug so that the power is cut completely.

2-4. Installing the Touch Panel Driver

Attention

- To install the touch panel driver, the user account needs "Administrator" privileges.
- To reinstall the touch panel driver in order to update the driver, uninstall the driver, and then restart the PC before installation.

1. Download the touch panel driver from our web site.

Note

- Use the following procedure to download the touch panel driver from our web site.
  1. Access www.eizoglobal.com.
  2. From the menu, select "Support" > "Software and Drivers".
  3. In the "Enter name of model or software" text box, enter "FDX1502T", and then press the "Search" button.
  4. Click the ZIP icon for the touch panel driver.

2. If another touch panel driver is installed, uninstall it.

3. Install the downloaded touch panel driver.

For information on how to install the touch panel driver, refer to the User's Manual for the touch panel driver.

4. Reboot the PC.

2-5. Calibrating the Touch Panel

Calibrate the touch panel in accordance with the User's Manual for the touch panel driver.

Note

- Recalibrate if you change the installation location.

Chapter 3 Reference

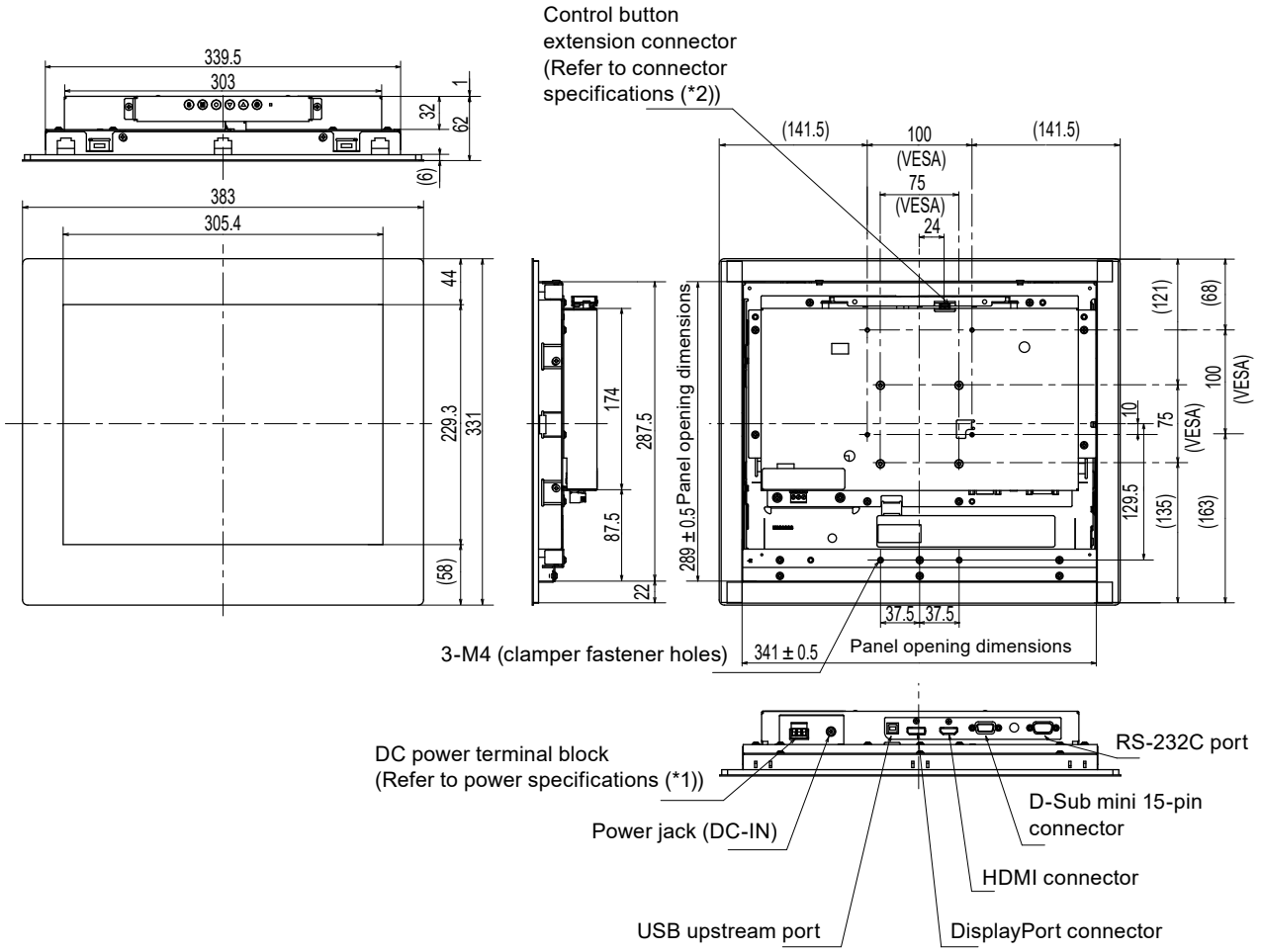
3-1. Specifications

LCD Panel	Type	TN (anti-glare)
	Backlight	LED
	Size	15.0" (38.0 cm)
	Resolution (H x V)	1024 dots × 768 lines
	Display Size (H x V)	304.1 mm × 228.1 mm
	Pixel Pitch	0.297 mm × 0.297 mm
	Display Colors	8-bit color: Approx. 16.77 million colors
	Viewing Angles (H / V, typical)	160˚ / 160˚
	Response Time (typical)	8 ms (black -> white -> black)
Touch Panel	Surface Finishing	Anti-glare
	Surface Hardness	2H
	Communication Method	USB transfer or RS-232C serial transfer (*These cannot be used simultaneously.)
	Detection Method	Analog-resistive film type
	Supported OS[*1]	Microsoft Windows 11 (64-bit version) Microsoft Windows 10 (32-bit version / 64-bit version) Microsoft Windows 8.1 (32-bit version / 64-bit version)
Video Signals	Input Terminals	DisplayPort (HDCP 1.3-compatible) × 1, HDMI (HDCP 1.4-compatible)[*2] × 1, D-Sub mini 15-pin × 1
	Digital Scanning Frequency (H / V)	DisplayPort: 31 kHz - 49 kHz / 59 Hz - 61 Hz (720 × 400 : 69 Hz - 71 Hz)
		HDMI: 31 kHz - 49 kHz / 59 Hz - 61 Hz (720 × 400 : 69 Hz - 71 Hz)
	Analog Scanning Frequency (H / V)	D-Sub: 31 kHz - 61 kHz / 55 Hz - 76 Hz
	Max. Dot Clock	Digital: 65 MHz Analog: 80 MHz
	Synchronization Signal	H / V separate, positive / negative
Communication	USB	Port: USB-B connector (upstream) × 1 Standard: USB Specification Revision 2.0
	RS-232C	Port: D-Sub 9-pin (male)
Power	Input	12 VDC ±10 % Max. 1.35 A
	Maximum Power Consumption	16 W or less
	Power Save Mode	0.3 W or less (when the USB upstream port is not connected, when no external load is connected, product default setting)
	Standby Mode	0.3 W or less (when the USB upstream port is not connected, when no external load is connected, product default setting)
Physical Specifications	Dimensions (W x H x D)	383.0 mm × 331.0 mm × 62.0 mm
	Net Weight	Approx. 3.8 kg
Operating Environmental Requirements	Temperature	0 ˚C - 50 ˚C (32 ˚F - 122 ˚F)
	Humidity	20 % - 90 % R.H. (no condensation)
	Air Pressure	540 hPa - 1060 hPa
Transportation / Storage Environmental Requirements	Temperature	-20 ˚C - 60 ˚C (-4 ˚F - 140 ˚F)
	Humidity	10 % - 90 % R.H. (no condensation)
	Air Pressure	200 hPa - 1060 hPa

*1 EIZO support will end when OS vendor support ends.
*2 HDMI CEC (mutual control) is not supported.

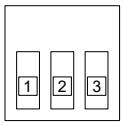
3-2. Outside Dimensions

Unit: mm



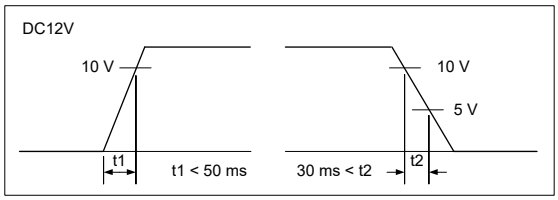
*1 DC power terminal block

Input signal connection



Pin No.	Input Signal
1	12 VDC
2	NC
3	Ground

Power sequencing



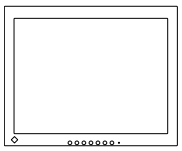
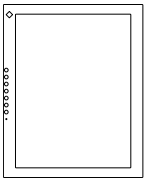
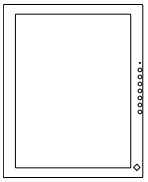
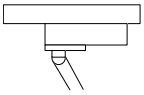
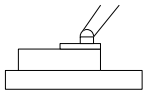
*2 Control button extension connector: S3B-PH-SM4-TB(LF)(SN) (JST)

Input signal connection

Pin No.	Input Signal
1	KEY0
2	KEY1
3	Ground

3-3. Installation conditions

The possible installation directions and movement ranges (tilt angles) are as follows.

Orientation	 Horizontal display	 Vertical display (clockwise 90 °)	 Vertical display (counterclockwise 90 °)
Movement range (tilt angle)	 Up: 90˚		 Down: 90˚

Appendix

Information for Radio Interference

For U.S.A., Canada Only

FCC Supplier's Declaration of Conformity

We, the Responsible Party	EIZO Inc.
	5710 Warland Drive, Cypress, CA 90630
	Phone: (562) 431-5011
declare that the product	Trade name: EIZO
	Model: DuraVision FDX1502T

is in conformity with Part 15 of the FCC Rules. Operation of this product is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

* Reorient or relocate the receiving antenna.
* Increase the separation between the equipment and receiver.
* Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
* Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note

Use the specified cable below so as to keep interference within the limits of a Class B digital device.

- Shielded Signal Cable (enclosed)

Canadian Notice

This Class B information technology equipment complies with Canadian ICES-003.
Cet équipement informatique de classe B est conforme à la norme NMB-003 du Canada.

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