

User's Manual

RadiForce® MS230W

Color LCD Monitor

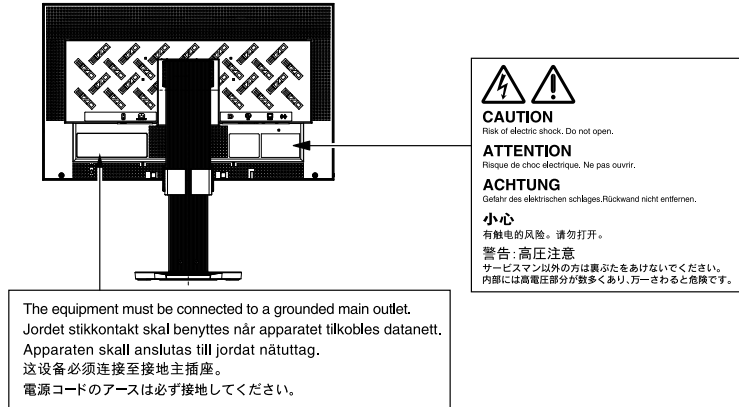
Important

Please read PRECAUTIONS, this User's Manual, and Setup Manual (separate volume) carefully to familiarize yourself with safe and effective usage.

- Please refer to the Setup Manual for basic information ranging from connection of the monitor to a PC to using the monitor.
- The latest User's Manual is available for download from our web site: <http://www.radiforce.com>



Location of Caution Statement



Product specification may vary with sales areas. Confirm the specification in the manual written in language of the region of purchase.

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Notice for this monitor

This product is suited to clinical review. It does not support the display of mammography images for diagnosis.

This product has been adjusted specifically for use in the region to which it was originally shipped. If the product is used outside the region, it may not operate as specified in the specifications.

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 for power cords and signal cables specified by us.

Use optional products manufactured or specified by us with this product.

As it takes about 30 minutes for the performance of electrical parts to stabilize, adjust the monitor 30 minutes or more after the monitor power has been turned on.

In order to suppress the luminosity change by long-term use and to maintain the stable luminosity, use of a monitor in lower brightness is recommended.

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.

Periodic cleaning is recommended to keep the monitor looking new and to prolong its operation lifetime (refer to [“Cleaning” \(page 4\)](#)).

The screen may have defective pixels or a small number of light dots on the screen. This is due to the characteristics of the panel itself, and not the product.

The backlight of the LCD panel has a fixed life span. When the screen becomes dark or begins to flicker, please contact your dealer.

Do not press on the panel or edge of the frame strongly, as this may result in the display malfunction, such as the interference patterns, etc. If pressure is continually applied to the panel, it may deteriorate or damage your panel. (If the pressure marks remain on the panel, leave the monitor with a white or black screen. The symptom may disappear.)

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

When the monitor is cold and brought into a room or the room temperature goes up quickly, dew condensation may occur inside and outside the monitor. In that case, do not turn the monitor on and wait until dew condensation disappears, otherwise it may cause some damages to the monitor.

Cleaning

Attention

- Never use any solvents or chemicals, such as thinner, benzene, wax, alcohol, and abrasive cleaner, which may damage the cabinet or panel.

Note

- Optional ScreenCleaner is recommended for cleaning the panel surface.
-

● Panel

- Clean the panel with a soft cloth such as cotton cloth or lens cleaning paper.
- If necessary, stubborn stains can be removed by moistening part of a cloth with water to enhance its cleaning power. After that, clean the panel again with a dry cloth for better finishing.

● Cabinet

- Clean the cabinet with a soft cloth dampened with a little mild detergent.

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. Features

- 23" wide format LCD
- Applicable to the resolution of 1920 × 1080.
- Uses high-contrast panel (3000:1).
Enables the display of sharp images.
- VA panel with 89° horizontal and vertical viewing angles
- Applicable to DisplayPort (applicable to 8 bit)*
The image signal and audio signal can both be transmitted via a single DisplayPort cable.
 - * When transmitting an audio signal using the DisplayPort cable, the graphics board must be compatible with audio output (See [“6-5. Specifications” \(page 39\)](#)).
- CAL Switch function for selecting an optimal calibration mode
See [“To select the display mode \(CAL Switch mode\)” \(page 15\)](#).
- Selectable DICOM ([page 42](#)) Part 14 complied screen.
- Frame Synchronous mode supported (59 - 61 Hz).
- Power saving function.
This product is equipped with various power saving functions.
 - EcoView Sense function
The sensor on the front side of the monitor detects the movement of a person. When a person moves away from the monitor, it shifts to the power saving mode automatically and does not display the images on the screen. Therefore, the function reduces the power consumption.
See [“4-5. Shifting to the power saving mode when a person leaves the monitor “EcoView Sense”” \(page 29\)](#).
 - EcoView Index function
The green indicator shows the power consumption ratio responding to the brightness of the monitor. You can realize the power consumption reduction by taking consideration in the ratio of power saving.
See [“4-4. Setting Indicator “EcoView Index”” \(page 28\)](#).
- Portrait/Landscape display available.
- HDCP (High-bandwidth Digital Content Interface)
- Built-in speakers and headphone jack

Note

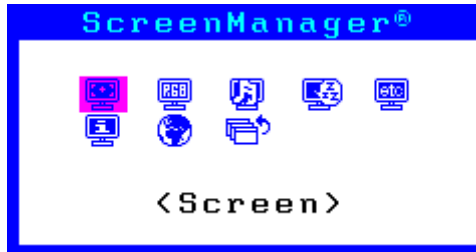
- This monitor supports the Portrait/Landscape display. This function allows you to change the orientation of the Adjustment menu when using the monitor screen in vertical display position (See [“3-6. Setting Orientation <Orientation>” \(page 24\)](#)).
 - For using the monitor with “Portrait” position, the graphics board supporting portrait display is required. When placing the monitor in a “Portrait” position, settings of your graphics board need to be changed. Refer to the manual of the graphics board for details.
 - The stand of the unit can be replaced with an arm or another stand (See [“6-1. How to Attach the Optional Arm” \(page 34\)](#)).
-

1-2. Basic Operations and Functions

● Basic Adjustment menu operations

1. Displaying Adjustment Menu

1. Press . The adjustment menu appears.

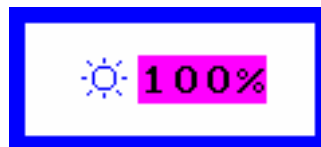


2. Adjusting/Setting

1. Choose a menu to adjust/set with , , , , and then press . The Sub menu appears.



2. Choose an item to adjust/set with , , , , and then press . The adjustment/ setting menu appears.



3. Adjust/set the selected item with , , , , and then press .

3. Exiting









































1. Choose <Return> from the Sub menu and press . The Main menu appears.
2. Choose <Exit> from the Main menu and press . The Adjustment menu exits.

Note

- The Adjustment menu can also be exited by pressing twice quickly.
 - <Exit> or <Return> can also be selected by pressing twice or three times in the Main menu or Sub menu.
-

● Functions

The following table shows all the Adjustment menu's adjustment and setting menus.

Main menu	Setting	Reference	
Auto Adjustment* ¹ 	 Screen	"2-2. Displaying Screen Correctly" (page 11)	
	 Range		
Screen 	 Clock* ¹		
	 Phase* ¹		
	 Position* ¹		
	 Smoothing		
	 Return		
Color* ² 	 Brightness	"2-3. Adjusting Color" (page 15)	
	 Contrast		
	 Temperature		
	 Gamma		
	 Saturation		
	 Hue		
	 Gain		
	 Overdrive		
	 Reset		
	Sound 		 Volume
 Source* ³		"3-2. Switching sound source for DisplayPort signal input <Source>" (page 21)	
 Power Save		"4-1. Setting Power Saving <Power Save>" (page 26)	
PowerManager 	 Power Save	"4-6. Enabling/Disabling Auto Power-OFF <Off Timer>" (page 30)	
	 Off Timer		
Others 	 Screen Size	"2-4. Changing the Screen Size" (page 20)	
	 Border Intensity		
	 Input Signal	"To set input signal selection <Input Signal>" (page 38)	
	 OSD Menu Settings	 Menu Size	"3-3. Setting Adjustment Menu Display" (page 22)
		 Menu Position	
		 Menu Off Timer	
		 Translucent	
	 Orientation	"3-6. Setting Orientation <Orientation>" (page 24)	
	 Power indicator	"4-2. Setting Power Indicator <Power Indicator>" (page 27)	
	 Reset	"3-9. Resetting the Monitor to the Default Settings <Reset>" (page 25)	
Information 		"6-4. Displaying Monitor Information <Information>" (page 38)	
Language 		"3-7. Setting Language <Language>" (page 24)	

*¹ Analog signal input only

*² The adjustment/settings available on the <Color> menu depend on the selected Color mode. The above table shows the sub menus when the "Custom" mode is selected.

*³ This function is available with DisplayPort input.

Chapter 2 Adjusting Screens

2-1. Setting Screen Resolution

● Compatible Resolutions/Frequencies

For details on compatible resolutions, refer to “Compatible Resolutions/Frequencies” in the Setup Manual.

● Setting the Resolution

When you connect the monitor to the PC and find that the resolution is improper, or when you want to change the resolution, follow the procedure below.

Windows 7

1. Right-click the mouse anywhere on the desktop except for icons.
2. From the displayed menu, click “Screen resolution”.
3. On the “Screen Resolution” dialog box, select the monitor.
4. Click “Resolution” to select the desired resolution.
5. Click the [OK] button.
6. When a confirmation dialog box is displayed, click [Keep changes].

Windows Vista

1. Right-click the mouse anywhere on the desktop except for icons.
2. From the displayed menu, click “Personalize”.
3. On the “Personalization” window, click “Display Settings”.
4. On the “Display Settings” dialog box, select the “Monitor” tab and select desired resolution in the “Resolution” field.
5. Click the [OK] button.
6. When a confirmation dialog box is displayed, click [Yes].

Windows XP

1. Right-click the mouse anywhere on the desktop except for icons.
2. From the displayed menu, click “Properties”.
3. When the “Display Properties” dialog box is displayed, click the “Settings” tab and select desired resolution for “Screen resolution” under “Display”.
4. Click the [OK] button to close the dialog box.

Mac OS X

1. Select “System Preferences” from the Apple menu.
2. When the “System Preferences” dialog box is displayed, click “Displays” for “Hardware”.
3. On the displayed dialog box, select the “Display” tab and select desired resolution in the “Resolutions” field.
4. Your selection will be reflected immediately. When you are satisfied with the selected resolution, close the window.

2-2. Displaying Screen Correctly

● Digital Signal Input

When digital signals are input, images are displayed correctly based on the preset data of the monitor, but if characters and/or lines appear blurred, go to “6. Modify blurred characters or lines.” (page 14).

When performing more advanced adjustment, see “2-3. Adjusting Color” (page 15) and subsequent pages.

● Analog Signal Input

Attention

- The monitor will take about 30 minutes before its internal electric components stabilize. Wait 30 minutes or more after turning the monitor power on before starting adjustment.
- The Self Adjust (automatic screen adjustment) function does not work for the images under the resolution of 800 × 600 (SVGA).

The monitor screen adjustment is used to suppress flickering of the screen or adjust screen position and screen size correctly according to the PC to be used.

Note

- The Self Adjust function works when all of the following conditions are satisfied:
 - When a signal is input into the monitor for the first time or when a resolution or vertical/horizontal scan frequency not used before is set

If the screen is not displayed correctly even after performing the Self Adjust operation, adjust the screen according to the procedures on the following pages to use the monitor comfortably.

Setting Procedures

1. Perform the auto adjustment.

● To adjust flickering, screen position, and screen size automatically <Screen>

Procedure

1. Choose <Auto Adjustment> from the Adjustment menu, and press **⊙**.
2. Choose <Screen> from the <Auto Adjustment> menu, and press **⊙**.
The <Auto Adjustment> menu appears.
3. Select <Execute> with **▲** or **▼**, and press **⊙**.
Flickering, screen position, and screen size are corrected by the auto-adjustment function.

Attention

- This function works correctly when an image is fully displayed over the Windows or Macintosh display area. It does not work properly when an image is displayed only on a part of the screen (command prompt window, for example) or when a black background (wallpaper, etc.) is in use.
- This function does not work correctly with some graphics boards.

If the screen is not displayed correctly even after performing “1. Perform the auto adjustment.” (page 11), perform the adjustments according to the procedures on the following pages. If the screen is displayed correctly, go to “5. Adjusting color gradation.” (page 14).

2. Prepare to use analog screen adjustment patterns.

Download the “Screen adjustment pattern files” from our site: <http://www.radiforce.com>.

Note

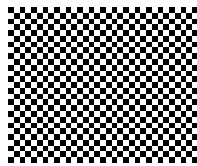
- For details and instructions on opening the “Screen adjustment pattern files”, refer to the Readme.txt file.

3. Perform the auto adjustment again with the analog screen adjustment pattern displayed.

● To adjust flickering, screen position, and screen size automatically <Screen>

Procedure

1. Display Pattern 1 in full screen on the monitor using the “Screen adjustment pattern files”.



2. Choose <Auto Adjustment> from the Adjustment menu, and press .
 3. Choose <Screen> from the <Auto Adjustment> menu, and press .
- The <Auto Adjustment> menu appears.
4. Select <Execute> with or , and press .

Flickering, screen position, and screen size are corrected by the auto-adjustment function.

If the screen is not displayed correctly even after performing “3. Perform the auto adjustment again with the analog screen adjustment pattern displayed.” (page 12), perform the adjustments according to the procedures on the following pages. If the screen is displayed correctly, go to “5. Adjusting color gradation.” (page 14).

4. Choose <Screen> from the Adjustment menu to perform advanced adjustments.

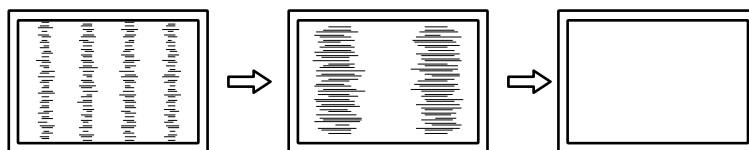
Adjust the clock, phase and position, in this order.

● To eliminate vertical bars <Clock>

Procedure


1. Choose <Clock> from the <Screen> menu, and press .
- The <Clock> menu appears.
2. Adjust the clock with or to eliminate vertical bars.
- Press or slowly so as not to miss the adjustment point.
3. Press to exit the adjustment.

When blurring, flickering or bars appear on the screen after adjustment, proceed to “Phase” to remove flickering or blurring.



● To remove flickering or blurring <Phase>

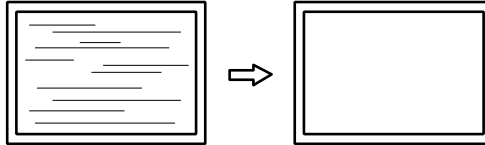
Procedure

1. Choose <Phase> from the <Screen> menu, and press .

The <Phase> menu appears.

2. Adjust the phase with  or  to minimize flickering or blurring.
3. Press  to exit the adjustment.

When vertical bars appear on the screen after adjustment, go back to “To eliminate vertical bars <Clock>”.
(Clock → Phase → Position)



Attention


- Flickering or blurring may not be eliminated depending on your PC or graphics board.
-

● To correct the screen position <Position>






Note

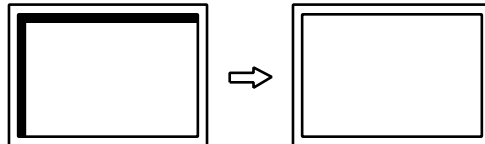
- Since the number of pixels and the pixel positions are fixed on the LCD monitor, only one position is provided to display images correctly. The position adjustment is made to shift an image to the correct position.
-

Procedure

1. Choose <Position> from the <Screen> menu, and press .

The <Position> menu appears.

2. Adjust the position with  /  /  / .
3. Press  to exit the adjustment.



4. Close Pattern 1.

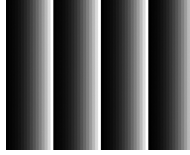
5. Adjusting color gradation.

● To adjust color gradation automatically <Range>

Every color gradation (0 to 255) can be displayed by adjusting the signal output level.

Procedure

1. Display Pattern 2 in full screen on the monitor using the “Screen adjustment pattern files”.



2. Choose <Auto Adjustment> from the Adjustment menu, and press .
3. Choose <Range> from the <Auto Adjustment> menu, and press .
The <Range> menu appears.
4. Select <Execute> with or , and press .
The output range is set automatically.
5. Close Pattern 2.

6. Modify blurred characters or lines.

● To modify blurred characters/lines <Smoothing>

When an image is displayed with a resolution other than recommended, the characters or lines of the displayed image may blur.

Attention

- Smoothing setting may not be required depending on the display resolution. (You cannot choose the smoothing icon.)
-

Adjustable range

1 to 5

Procedure

1. Choose <Screen> from the Adjustment menu, and press .
2. Choose <Smoothing> from the <Screen> menu, and press .
The <Smoothing> menu appears.
3. Use or for adjustment.
4. Press to exit the adjustment.

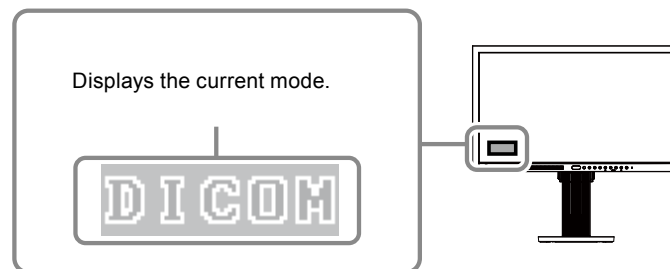
2-3. Adjusting Color

● To select the display mode (CAL Switch mode)

This function allows easy selection of a desired mode according to monitor application.

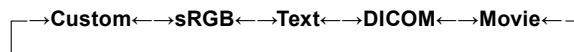
Display Modes

Mode	Purpose
Custom	Available for making desired setting.
sRGB	Suitable for color matching with sRGB compatible peripherals.
Text	Suitable for displaying texts for word processing or spreadsheets.
DICOM	Available to display in DICOM mode.
Movie	Suitable for playing back animated images.



Procedure

1. Press ◀ or ▶.
A mode name appears at the lower left of the screen.
2. Change the mode by pressing ◀ or ▶ while the mode name is displayed.



Note

- The Adjustment menu cannot be displayed when a mode name appears.

● To perform advanced adjustments

The <Color> menu of the Adjustment menu allows you to configure and save a separate set of color settings for each mode.

Attention

- The monitor will take about 30 minutes before its internal electric components stabilize. Wait 30 minutes or more after turning the monitor power on before starting adjustment.
- Perform the range adjustment first when adjusting color for analog signals (see [“To adjust color gradation automatically <Range>”](#) (page 14)).
- The same image may be seen in different colors on multiple monitors due to their monitor-specific characteristics. Make fine color adjustment visually when matching colors on multiple monitors.










Note

- The values shown in “%” or “K” are available only as reference.

● Adjustable settings in each mode

The adjustable settings depend on the mode. (You cannot select any non-adjustable or non-settable function.)

√: Adjustable -: Not adjustable

Icon	Function	CAL Switch mode				
		Custom	sRGB	Text	DICOM	Movie
	Brightness	√	√	√	-	√
	Contrast	√	-	√	-	√
	Temperature	√	-	√	-	√
	Gamma	√	-	√	-	-
	Saturation	√	-	√	-	√
	Hue	√	-	√	-	√
	Gain	√	-	-	-	-
	Overdrive	√	-	-	-	-
	Reset	√	√	√	-	√






● To adjust brightness <Brightness>

The screen brightness is adjusted by changing the brightness of the backlight (light source from the LCD back panel).



Adjustable range

0 to 100%

Procedure

1. Choose <Color> from the Adjustment menu, and press .
2. Choose <Brightness> from the <Color> menu, and press .
The <Brightness> menu appears.
3. Use  or  for adjustment.
4. Press  to exit the adjustment.

Note

- You can use  or  to display the Brightness adjustment menu to adjust it.
- If you feel that the image is too bright even if the brightness is set to 0% or that the image is too dark even if the brightness is set to 100%, adjust the contrast.

● To adjust contrast <Contrast>

The brightness of the screen is adjusted by varying the video signal level.

Adjustable range

0 to 100%

Procedure

1. Choose <Color> from the Adjustment menu, and press **⏏**.
2. Choose <Contrast> from the <Color> menu, and press **⏏**.
The <Contrast> menu appears.
3. Use **⏪** or **⏩** for adjustment.
4. Press **⏏** to exit the adjustment.

Note

- In the contrast of 50%, every color gradation is displayed.
 - When adjusting the monitor, it is recommended to perform the brightness adjustment which may not lose the gradation characteristics, prior to the contrast adjustment.
 - Perform the contrast adjustment in the following cases.
 - When you feel the image is too dark even if the brightness is set to 100% (Set the contrast to higher than 50%).
 - When you feel the image is too bright even if the brightness is set to 0% (Set the contrast to lower than 50%).
-

● To adjust color temperature <Temperature>

Color temperature can be adjusted.

The color temperature is normally used to express the hue of “White” and/or “Black” by a numerical value.

The value is expressed in degrees “K” (Kelvin).

The screen becomes reddish at a low color temperature, and bluish at a high color temperature, like the flame temperature. A gain preset value is set for each color temperature setting value.

Adjustable range

Off, 4000K-10000K (specified by every 500K unit, including 9300K)

Procedure

1. Choose <Color> from the Adjustment menu, and press **⏏**.
2. Choose <Temperature> from the <Color> menu, and press **⏏**.
The <Temperature> menu appears.
3. Use **⏪** or **⏩** for adjustment.
4. Press **⏏** to exit the adjustment.

Note

- <Gain> allows you to perform more advanced adjustment (see “To adjust gain <Gain>” (page 19)).
 - If you set to “Off”, the image is displayed in the preset color of the monitor (Gain: 100% for each RGB).
 - When gain is changed, the color temperature is changed to “Off”.
-

● To adjust gamma <Gamma>

Gamma can be adjusted. The brightness of the monitor varies depending on the input signal, however, the variation rate is not proportional to the input signal. To keep the balance between the input signal and the brightness of the monitor is called as “Gamma correction”.

Adjustable range

1.8, 2.0, 2.2

Procedure

1. Choose <Color> from the Adjustment menu, and press **⊙**.
2. Choose <Gamma> from the <Color> menu, and press **⊙**.
The <Gamma> menu appears.
3. Use **⏪** or **⏩** for adjustment.
4. Press **⊙** to exit the adjustment.

● To adjust the color saturation <Saturation>

This function allows you to adjust color saturation.

Adjustable range

-128 to 127

Procedure

1. Choose <Color> from the Adjustment menu, and press **⊙**.
2. Choose <Saturation> from the <Color> menu, and press **⊙**.
The <Saturation> menu appears.
3. Use **⏪** or **⏩** for adjustment.
4. Press **⊙** to exit the adjustment.

Attention

- Using this function may make some color gradations unavailable for display.

Note

- The minimum value (-128) changes the screen to monochrome.
-

● To adjust hue <Hue>

This function allows you to adjust hue.

Adjustable range

-32 to 32

Procedure

1. Choose <Color> from the Adjustment menu, and press **⊙**.
2. Choose <Hue> from the <Color> menu, and press **⊙**.
The <Hue> menu appears.
3. Use **⏪** or **⏩** for adjustment.
4. Press **⊙** to exit the adjustment.

Attention

- Using this function may make some color gradations unavailable for display.
-

● To adjust gain <Gain>

The brightness of each color component red, green, and blue is called “Gain”. You can change the hue of “white” by adjusting gain.

Adjustable range

0 to 100%

Procedure

1. Choose <Color> from the Adjustment menu, and press **⏏**.
2. Choose <Gain> from the <Color> menu, and press **⏏**.
The <Gain> menu appears.
3. Adjust gain with **⏪** or **⏩** for each of red, green, and blue.
4. Press **⏏** to exit the adjustment.

Attention

- Using this function may make some color gradations unavailable for display.

Note

- The value of gain changes with that of color temperature.
 - When gain is changed, the color temperature is changed to “Off”.
-

● To set overdrive intensity <Overdrive>

This function allows you to set overdrive intensity based on the use of the monitor. You can reduce Image lags by setting it to “Enhanced” when displaying animated images.

Adjustable range

Enhanced, Standard, Off

Procedure

1. Choose <Color> from the Adjustment menu, and press **⏏**.
2. Choose <Overdrive> from the <Color> menu, and press **⏏**.
The <Overdrive> menu appears.
3. Use **⏴** or **⏵** for adjustment.
4. Press **⏏** to exit the adjustment.

Attention

- The overdrive function is disabled in the following cases:
 - The vertical scan frequency of input signals is more than 60 Hz.
 - Select “Normal” during <Screen Size> (excluding the case that display resolution is 1920 × 1080).
-

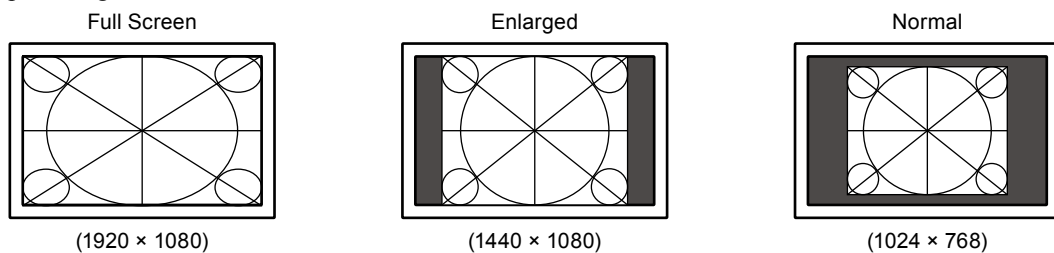
2-4. Changing the Screen Size

● To change screen size <Screen Size>

If a resolution other than recommended is used, the image displayed in full screen automatically. You can change the screen size by using <Screen Size> from <Others> menu.

Setting	Function
Full Screen	Displays an image in full screen. Images are distorted in some cases because the vertical rate is not equal to the horizontal rate.
Enlarged	Displays an image in full screen. In some cases, a blank horizontal or vertical border appears to equalize the vertical rate and the horizontal rate.
Normal	Displays images with the specified resolution.

Example: Image size 1024 × 768



Procedure

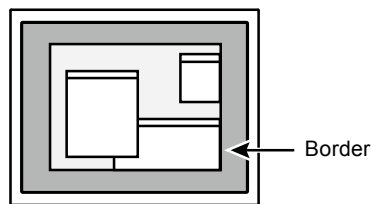
1. Choose <Others> from the Adjustment menu, and press **⊙**.
2. Choose <Screen Size> from the <Others> menu, and press **⊙**.
The Screen Size menu appears.
3. Select “Full Screen,” “Enlarged,” or “Normal” with **▲** or **▼**.
4. Press **⊙** to exit the adjustment.

Attention

- Selecting “Normal” may make some color gradations unavailable for display.

● To change the brightness of the non-display area <Border Intensity>

A border (black area with no image) around the image appears in the “Normal” or “Enlarged” mode.



Procedure

1. Choose <Others> from the Adjustment menu, and press **⊙**.
2. Choose <Border Intensity> from the <Others> menu, and press **⊙**.
The <Border Intensity> menu appears.
3. Use **◀** or **▶** for adjustment.
4. Press **⊙** to exit the adjustment.

Chapter 3 Setting Monitor

3-1. Adjusting Volume <Volume>

This function allows you to adjust the volume.

Adjustable range

0 to 30

Procedure

1. Choose <Sound> from the Adjustment menu, and press **⊙**.
2. Choose <Volume> from the <Sound> menu, and press **⊙**.
The volume adjustment menu appears.
3. Use **⏪** or **⏩** for adjustment.
4. Press **⊙** to exit the adjustment.

Note

- Alternatively, you can use **⏪** or **⏩** for adjustment.
 - The volume for the DisplayPort and stereo mini jacks can be set individually.
-

3-2. Switching sound source for DisplayPort signal input <Source>

This function allows you to switch sound source for DisplayPort signal input. You can select the DisplayPort or stereo mini jack.

Procedure

1. Choose <Sound> from the Adjustment menu, and press **⊙**.
2. Choose <Source> from the <Sound> menu, and press **⊙**.
The Source adjustment menu appears.
3. Select “DisplayPort” or “Stereo Mini Jack” with **⏪** or **⏩**.
4. Press **⊙** to exit the adjustment.

Note







- This function is available with DisplayPort signal input.
-

3-3. Setting Adjustment Menu Display

● Changing Adjustment Menu Display Size <Menu Size>

Change the Adjustment menu size using the following procedure.







Procedure

1. Choose <Others> from the Adjustment menu, and press .
2. Choose <Menu Settings> from the <Others> menu, and press .
3. Choose <Menu Size> from the <Menu Settings> menu, and press .
The <Menu Size> menu appears.
4. Select “Normal” or “Enlarged” with  or .
5. Press  to exit the adjustment.

● Changing Adjustment Menu Display Position <Menu Position>

You can change the display position of the Adjustment menu.

Procedure

1. Choose <Others> from the Adjustment menu, and press .
2. Choose <Menu Settings> from the <Others> menu, and press .
3. Choose <Menu Position> from the <Menu Settings> menu, and press .
The <Menu Position> menu appears.
4. Adjust the position with  or .
5. Press  to exit the adjustment.









● Changing Adjustment Menu Display Time <Menu Off Timer>

You can set the Adjustment menu display time.

Adjustable range

Disable, Enable (15, 30, 45, 60s)

Procedure

1. Choose <Others> from the Adjustment menu, and press .
2. Choose <Menu Settings> from the <Others> menu, and press .
3. Choose <Menu Off Timer> from the <Menu Settings> menu, and press .
The <Menu Off Timer> menu appears.
4. Select “Enable” or “Disable” with  or .
- When selecting “Enable”, choose a time for displaying menu with  or .
5. Press  to exit the adjustment.




Note

- The display time of the mode name, EcoView menu, and EcoView Index remains unchanged.
-




● Changing Transparency of Adjustment Menu Display <Translucent>

You can set the transparency of the Adjustment menu.

Procedure









1. Choose <Others> from the Adjustment menu, and press .
2. Choose <Menu Settings> from the <Others> menu, and press .
3. Choose <Translucent> from the <Menu Settings> menu, and press .

The <Translucent> menu appears.




4. Use  or  for adjustment.
5. Press  to exit the adjustment.

3-4. Locking Buttons

This function allows you to lock to prevent changing the current adjustments/settings.

Buttons that can be locked	<ul style="list-style-type: none">•  /  /  /  (Control buttons)•  (Enter button) / Adjustments/settings using•  (EcoView button)
Buttons that cannot be locked	<ul style="list-style-type: none">•  (Input Signal Selection button)•  (Power button)

Procedure




1. Press  to turn off the monitor.
2. Holding  down, press  for at least two seconds to turn on the monitor.

You can toggle between Lock and Unlock by performing steps 1 and 2.

3-5. Setting the EIZO Logo Display <Logo>

When the monitor is turned on, the EIZO logo appears on the screen. You can choose to display or not to display the EIZO logo.

Procedure

1. Press  to turn off the monitor.
2. Press  holding  down to turn on the monitor.

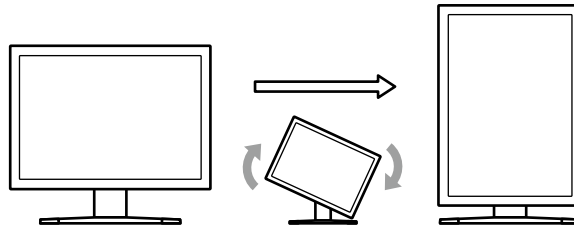
The EIZO logo display setting is toggled by performing the operation in steps 1 and 2.

3-6. Setting Orientation <Orientation>

This function allows you to change the orientation of the Adjustment menu when using the monitor screen in vertical display position.

Procedure

1. Choose <Others> from the Adjustment menu, and press **⊙**.
2. Choose <Orientation> from the <Others> menu, and press **⊙**.
The <Orientation> menu appears.
3. Select “Landscape” or “Portrait” with **▲** or **▼**.
4. Press **⊙** to exit the adjustment.
5. When selecting “Portrait”, turn the monitor screen 90° in clockwise direction.



Attention

- Be sure that the cables are correctly connected.

Note

- For using the monitor with “Portrait” position, the graphics board supporting portrait display is required. When placing the monitor in a “Portrait” position, settings of your graphics board need to be changed. Refer to the manual of the graphics board for details.

3-7. Setting Language <Language>

This function allows you to select a language for the Adjustment menu and messages.

Selectable languages

English/German/French/Spanish/Italian/Swedish/Simplified Chinese/Traditional Chinese/Japanese

Procedure

1. Choose <Language> from the Adjustment menu, and press **⊙**.
2. Choose <Language> from the <Menu Settings> menu, and press **⊙**.
The <Language> menu appears.
3. Choose a language with **▼** / **▲** / **▶** / **◀**.
4. Press **⊙** to exit the adjustment.

3-8. Enabling/Disabling DDC/CI communication

This function allows you to enable/disable the DDC/CI communication (see “6-6. Glossary” (page 42)).

Procedure

1. Press \odot to turn off the monitor.
2. Press \odot holding \blacktriangleleft down to turn on the monitor.
You can toggle between Enable and Disable by performing steps 1 and 2.

Note

- You can check the DDC/CI setting in the <Information> menu.
-

3-9. Resetting the Monitor to the Default Settings

<Reset>

There are two different Resets: Color Reset for only resetting the color adjustments to the default settings and Full Reset for resetting all settings to the defaults.

Attention

- After resetting, you cannot undo the operation.
-

Note

- Regarding the default setting, see “Main Default Settings” (page 40).
-

● To reset the color adjustments

This function only resets the color adjustments for the currently selected mode to the default settings.

Procedure

1. Choose <Color> from the Adjustment menu, and press \odot .
2. Choose <Reset> from the <Color> menu, and press \odot .
3. Select “Reset” with \blacktriangleup or \blacktriangledown .
4. Press \odot .

The color adjustments revert to the default settings.

● To reset all adjustments to the default settings

This function resets all adjustments to the default settings.

Procedure

1. Choose <Others> from the Adjustment menu, and press \odot .
2. Choose <Reset> from the <Others> menu, and press \odot .
3. Select “Reset” with \blacktriangleup or \blacktriangledown .
4. Press \odot .

All adjustments revert to the default settings.

Chapter 4 Power Saving Functions

4-1. Setting Power Saving <Power Save>

● Monitor

This function allows you to set the monitor into the power saving mode according to the PC status. When the monitor has shifted to the power saving mode, the images on the screen are not displayed.

Attention

- Turning off the main power switch or unplugging the power cord completely shuts off power supply to the monitor.
- Power consumption varies even when the stereo mini jack cable is connected.
- Five seconds before the monitor enters the power saving mode, it displays a preliminary message.

Procedure

1. Choose <PowerManager> from the Adjustment menu, and press **⊙**.
2. Choose <Power Save> from the <PowerManager> menu, and press **⊙**.
The <Power Save> menu appears.
3. Select “On” or “Off” with **▲** or **▼**.
4. Press **⊙** to exit the adjustment.

Power Saving System

Analog Signal Input

This monitor complies with the VESA DPM standard.

PC		Monitor	Power Indicator
On		Operating	Blue
Power saving mode	STAND-BY SUSPENDED OFF	Power saving mode	Orange
Power Off		Power saving mode	Orange

Digital Signal Input

DVI

This monitor complies with the DVI DMPM standard.

DisplayPort

This monitor complies with the DisplayPort Standard V1.1a.

The monitor enters the power saving mode in five seconds in connection with the PC setting.

PC		Monitor	Power Indicator
On		Operating	Blue
Power saving mode		Power saving mode	Orange

● Audio Output

This monitor allows you to turn off the audio output from the speakers/headphone at the power saving mode.

Procedure

1. Choose <Sound> from the Adjustment menu, and press **⊙**.
2. Choose <Power Save> from the <Sound> menu, and press **⊙**.
The <Power Save> menu appears.
3. Select “On” or “Off” with **▲** or **▼**.
4. Press **⊙** to exit the adjustment.

Attention

- No audio is output while the monitor is in the Power Saving mode, if input signal and sound source are of DisplayPort.
-

4-2. Setting Power Indicator <Power Indicator>

This function allows you to set the power indicator (blue) ON/OFF in the monitor ON condition.

Procedure

1. Choose <Others> from the Adjustment menu, and press **⊙**.
2. Choose <Power Indicator> from the <Others> menu, and press **⊙**.
The <Power Indicator> menu appears.
3. Select “Enable” or “Disable” with **▲** or **▼**.
4. Press **⊙** to exit the adjustment.

4-3. Enabling/Disabling Automatic Brightness Adjustment “Auto EcoView”

The sensor on the front side of the monitor detects the environmental brightness to adjust the screen brightness automatically and comfortably by using the Auto EcoView function.

Attention

- The Auto EcoView function cannot be used in the DICOM mode.
 - Be careful not to block the sensor on the lower side of the monitor when using the Auto EcoView function.
-

Procedure

1. Press **⊙**.
The “EcoView” menu appears.
2. Choose “Auto EcoView” with **▲** or **▼**. (Alternatively, you can use **⊙** to select it.)
3. Select “On” or “Off” with **◀** or **▶**.
4. Press **⊙** to exit the adjustment.

Note

- For this reason, as <Brightness> in the Adjustment menu is changed, the auto adjustment range is also changed.
-







4-4. Setting Indicator “EcoView Index”

By using the EcoView Index function, the indicator that shows the level of power saving appears at the time of turning on the monitor, adjusting the brightness or switching the mode. The power saving ratio comes to high as the indicator level meter lights towards right.

Procedure

1. Press .

The “EcoView” menu appears.

2. Choose “EcoView Index” with  or . (Alternatively, you can use  to select it.)
3. Select “On” or “Off” with  or .
4. Press  to exit the adjustment.

4-5. Shifting to the power saving mode when a person leaves the monitor “EcoView Sense”


The sensor on the front side of the monitor detects the movement of a person by using the EcoView Sense function. When a person moves away from the monitor, it shifts to the power saving mode automatically and does not display the images on the screen to reduce the power consumption. When a person comes near the monitor again, it comes back from the power saving mode and displays the images. The detection level of the EcoView Sense sensor can be changed according to the environment of usage.







Note

- At the time of shifting to Power Saving mode, the icon that indicates shifting is displayed.



To set EcoView Sense On/Off

- Press .



The “EcoView” menu appears.
- Choose “EcoView Sense” with  or . (Alternatively, you can use  to select it.)
- Select “On” or “Off” with  or .
- Press  to exit the adjustment.



Note




- When the orientation of the Adjustment menu is set to “Portrait”, the EcoView Sense is turned off (See “3-6. Setting Orientation <Orientation>” (page 24)). Change the setting to on.

To change the detection level

Level	Detectable Range	Details
Auto (default setting)	Automatic setting (120 cm or less)	The detectable range is defined by the person’s movement. When you get out of the range, the monitor shifts to the power saving mode. Since the function determines whether the object is moving or not, the monitor can shift to the power saving mode even if there is a chair or wall in the detectable range.
Manual1	Automatic setting (90 cm or less)	
Manual2	120 cm or less	When you get out of the detectable range, the monitor shifts to the power saving mode. This setting is recommended if the monitor frequently shifts to the power saving mode when the level is “Auto” or “Manual1” even though you are in front of the monitor.
Manual3	90 cm or less	

- Choose <PowerManager> from the Adjustment menu, and press .
- Choose <EcoView Sense> from the <PowerManager> menu, and press .

The <EcoView Sense> menu appears.
- Select “Auto” or “Manual” with  or .

When selecting “Manual”, select 1, 2 or 3 for the detection level of the sensor with  or .
- Press  to exit the adjustment.

4-6. Enabling/Disabling Auto Power-OFF <Off Timer>

This function allows you to specify whether to turn on/off the monitor automatically after a specified time has elapsed in the power saving mode.

Adjustable range

Disable, Enable (0, 1, 2, 3, 5, 10, 15, 20, 25, 30, 45 min, 1-5 h)




Procedure

1. Choose <PowerManager> from the Adjustment menu, and press **⊙**.
2. Choose <Off Timer> from the <PowerManager> menu, and press **⊙**.
The <Off Timer> menu appears.
3. Select “Enable” or “Disable” with **▲** or **▼**.
If “Enable” is selected, set a monitor Off time with **◀** or **▶**.
4. Press **⊙** to exit the adjustment.

Chapter 5 Troubleshooting

If a problem still remains after applying the suggested remedies, contact your local dealer.




No picture

Problem	Possible cause and remedy
<p>1. No picture</p> <ul style="list-style-type: none"> Power indicator does not light. <hr/> <ul style="list-style-type: none"> Power indicator is lighting blue. <hr/> <ul style="list-style-type: none"> Power indicator is lighting orange. <hr/> <ul style="list-style-type: none"> Power indicator flashes orange. 	<ul style="list-style-type: none"> Check whether the power cord is connected properly. Turn off the main power, and then turn it on again a few minutes later. Turn the main power switch on. Press . <hr/> <ul style="list-style-type: none"> Increase <Brightness>, <Contrast>, and/or <Gain> in the Adjustment menu (see “To perform advanced adjustments” (page 15)). <hr/> <ul style="list-style-type: none"> Switch the input signal with . Operate the mouse or keyboard. When the EcoView Sense is on, the monitor may have shifted to the power saving mode. Come near to the monitor. <hr/> <ul style="list-style-type: none"> There is a problem in the device that uses DisplayPort connection. Solve the problem, turn off the monitor, and then turn it on again. Refer to the user’s manual of the device that uses DisplayPort connection for details.
<p>2. The message below appears.</p> <ul style="list-style-type: none"> This message appears when no signal is input. Example: <div data-bbox="277 1205 759 1458" data-label="Image"> </div> <hr/> <ul style="list-style-type: none"> The message shows that the input signal is out of the specified frequency range. (Such signal frequency is displayed in red.) Example: <div data-bbox="277 1608 759 1861" data-label="Image"> </div> <p>fD: Dot Clock (Displayed only during digital signal input) fH: Horizontal Scan Frequency fV: Vertical Scan Frequency</p>	<p>This message appears when the signal is not input correctly even when the monitor functions properly.</p> <hr/> <ul style="list-style-type: none"> The message shown left may appear, because some PCs do not output the signal soon after power-on. Check whether the PC is turned on. Check whether the signal cable is connected properly. Switch the input signal with . <hr/> <ul style="list-style-type: none"> Check whether the PC is configured to meet the resolution and vertical scan frequency requirements of the monitor (refer to “Compatible Resolutions/ Frequencies” in the Setup Manual). Reboot the PC. Select an appropriate display mode using the graphics board’s utility. Refer to the manual of the graphics board for details.


Imaging problems (for both digital and analog)

Problem	Possible cause and remedy
3. The screen is too bright or too dark.	<ul style="list-style-type: none"> Use <Brightness> or <Contrast> in the Adjustment menu to adjust it. (The LCD monitor backlight has a limited life span. When the screen becomes dark or begins to flicker, contact your local dealer.) Turn on the Auto EcoView function. The monitor detects the environmental brightness to adjust the screen brightness automatically.
4. Characters are blurred.	<ul style="list-style-type: none"> Check whether the PC is configured to meet the resolution and vertical scan frequency requirements of the monitor (refer to “Compatible Resolutions/ Frequencies” in the Setup Manual.). Use <Smoothing> in the Adjustment menu to adjust it (see “To modify blurred characters/lines <Smoothing>” (page 14)).
5. Afterimages appear.	<ul style="list-style-type: none"> Afterimages are particular to LCD monitors. Avoid displaying the same image for a long time. Use the screen saver or power save function to avoid displaying the same image for extended periods of time.
6. Green/red/blue/white dots or defective dots remain on the screen.	<ul style="list-style-type: none"> This is due to LCD panel characteristics and is not a failure.
7. Interference patterns or pressure marks remain on the screen.	<ul style="list-style-type: none"> Leave the monitor with a white or black screen. The symptom may disappear.
8. Noise appears on the screen.	<ul style="list-style-type: none"> In the Adjustment menu, set <Overdrive> to “Off” (see “To set overdrive intensity <Overdrive>” (page 19)). When entering the signals of HDCP system, the normal images may not be displayed immediately.

Imaging problems (for analog only)

Problem	Possible cause and remedy
9. Display position is incorrect. 	<ul style="list-style-type: none"> Use <Position> in the Adjustment menu to correct the image position (see “To correct the screen position <Position>” (page 13)). If the problem persists, use the graphics board’s utility if available to change the display position.
10. Vertical bars appear on the screen or a part of the image is flickering. 	<ul style="list-style-type: none"> Use <Clock> in the Adjustment menu to adjust it (see “To eliminate vertical bars <Clock>” (page 12)).
11. Whole screen is flickering or blurring. 	<ul style="list-style-type: none"> Use <Phase > in the Adjustment menu to adjust it (see “To remove flickering or blurring <Phase>” (page 13)).

Other problems

Problem	Possible cause and remedy
12. The <Smoothing> icon on the Adjustment menu <Screen> cannot be selected.	<ul style="list-style-type: none"> • You cannot choose the smoothing icon when the screen is displayed in the following resolutions or settings. <ul style="list-style-type: none"> - The resolution is 1920 × 1080 - “Normal” is selected from <Screen Size> in the Adjustment menu.
13. The adjustment menu does not appear.	<ul style="list-style-type: none"> • Check whether the operation lock function works (see “3-4. Locking Buttons” (page 23)).
14. No mode name is displayed.	<ul style="list-style-type: none"> • Check that the Adjustment menu is not active.
15. The auto adjustment function does not work.	<ul style="list-style-type: none"> • This function does not work during digital signal input. • This function is intended for use on the Macintosh and on AT-compatible PC running Windows. It does not work properly when an image is displayed only on a part of the screen (command prompt window, for example) or when a black background (wallpaper, etc.) is in use. • This function does not work correctly with some graphics boards.
16. No audio output.	<ul style="list-style-type: none"> • Check whether the stereo mini jack cable is connected properly. • Check whether volume is set to 0. • Check the PC and audio playback software to see whether they are configured correctly. • If DisplayPort input is used, check the <Source> setting in the Adjustment menu (see “3-2. Switching sound source for DisplayPort signal input <Source>” (page 21)).
17. (When using EcoView Sense) The images remains to be displayed when you move away from the monitor. The images does not reappear when you come near it.	<ul style="list-style-type: none"> • Check the setting environment of the monitor. EcoView Sense may not work correctly in the following environments. <ul style="list-style-type: none"> - There is something that reflects the light such as mirror or glass in front of the sensor. - The monitor is located in a place that receive direct sunlight. - There is some infrared device near the monitor. - There is some obstacle in front of the sensor. • Check whether any dirt on the sensor. Clean the sensor with a soft cloth. • Check whether you are in front of the monitor. The infrared ray is emitted vertically from the sensor to detect a person. • Check whether the off timer function is on. If it is on, the monitor turns off automatically after a specified time has passed. Therefore, the images does not reappear on the screen even though you come near to it. Press  to turn on the monitor (see “4-5. Shifting to the power saving mode when a person leaves the monitor “EcoView Sense”” (page 29)).

Chapter 6 Reference

6-1. How to Attach the Optional Arm

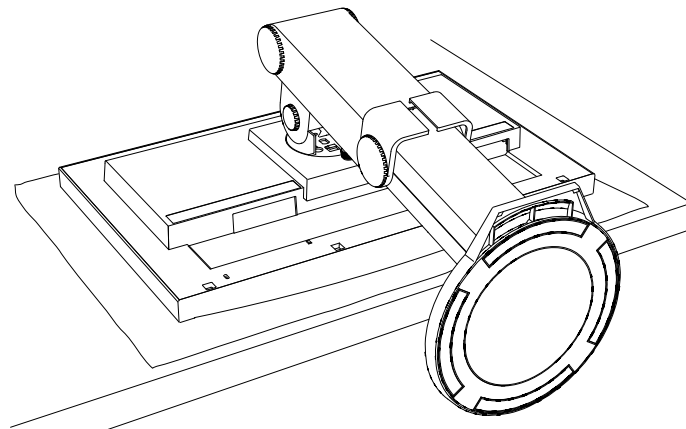
An optional arm (or an optional stand) can be attached by removing the stand section. Please refer to our web site for the corresponding optional arm (or optional stand). <http://www.radiforce.com>

Attention

- When attaching an arm or stand, follow the instructions of their user's manual.
- When using another manufacturer's arm or stand, confirm the following in advance and select one conforming to the VESA standard. Use the M4 × 12 mm screws supplied with this product.
 - Clearance between the screw holes: 100 mm × 100 mm
 - Thickness of plate: 2.6 mm
 - Strong enough to support weight of the monitor unit (except the stand) and attachments such as cables.
- When using an arm or stand, attach it to meet the following tilt angles of the monitor.
 - Up 45°, down 45° (horizontal display, and vertical display rotated 90 degrees clockwise)
- Connect the cables after attaching an arm or stand.
- Do not move the removed stand up and down. Doing so may result in injury or device damage.
- The monitor and arm or stand are heavy. Dropping them may result in injury or equipment damage.

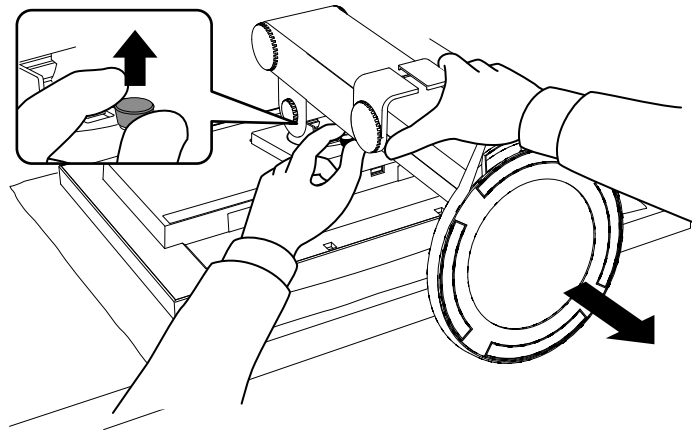
Procedure

- 1. When using the monitor with "Portrait" position, change the position to "Landscape".**
- 2. Lay the LCD monitor on a soft cloth spread over on a stable surface with the panel surface facing down.**



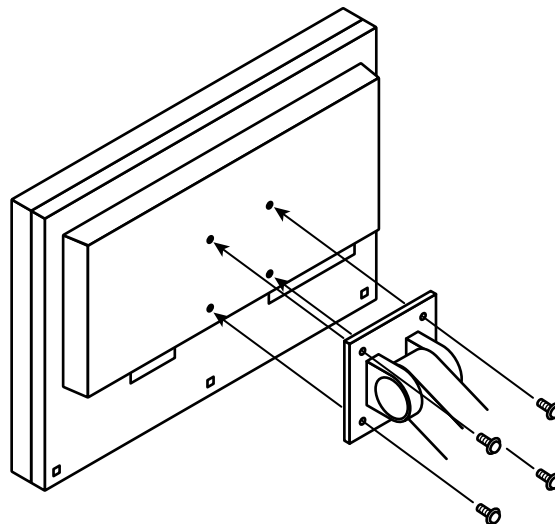
3. Remove the stand.

Remove the stand from the monitor while releasing the lock.



4. Attach the arm or stand to the monitor.

Secure the monitor to the arm or stand using the screws specified in the user's manual of the arm or stand.

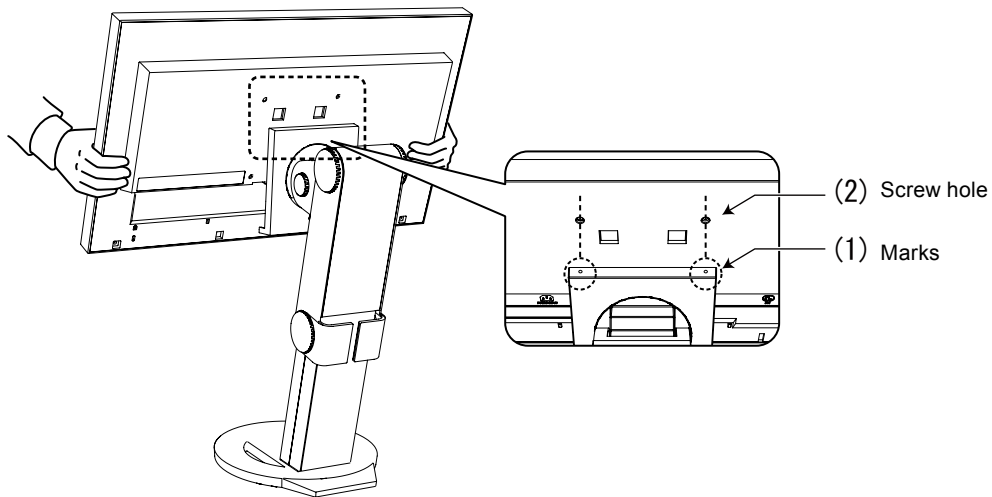
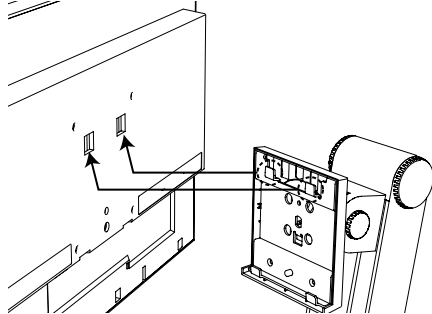


6-2. Attaching the FlexStand

The once removed the FlexStand can be attached to the monitor again with the following procedures.

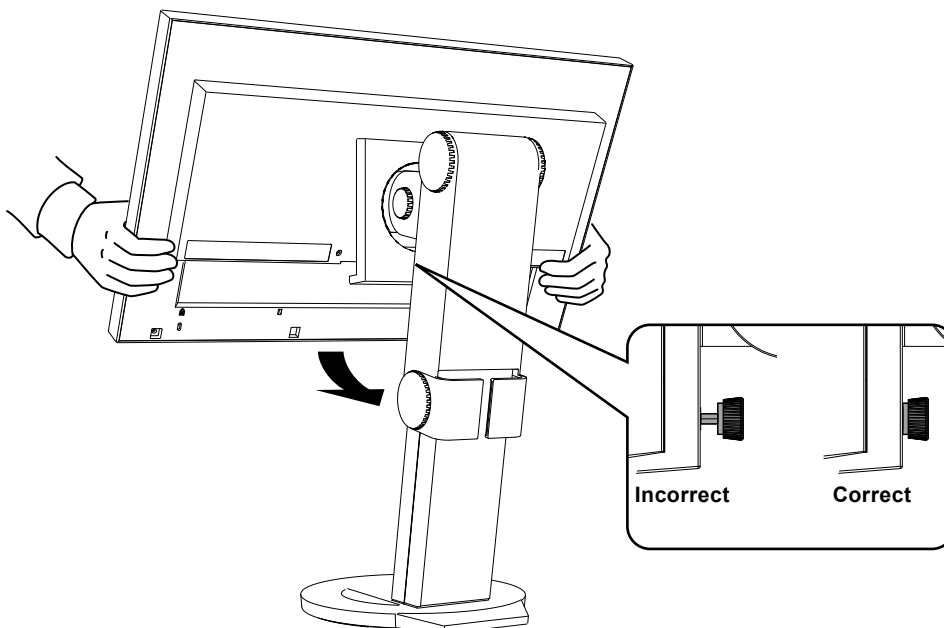
1. Put the insertion part of the stand in the slot of the monitor.

At the time, use as a guide that the marks (1) on the stand match to the screw holes (2) of the monitor.



2. Attach the stand moving the monitor toward the stand.

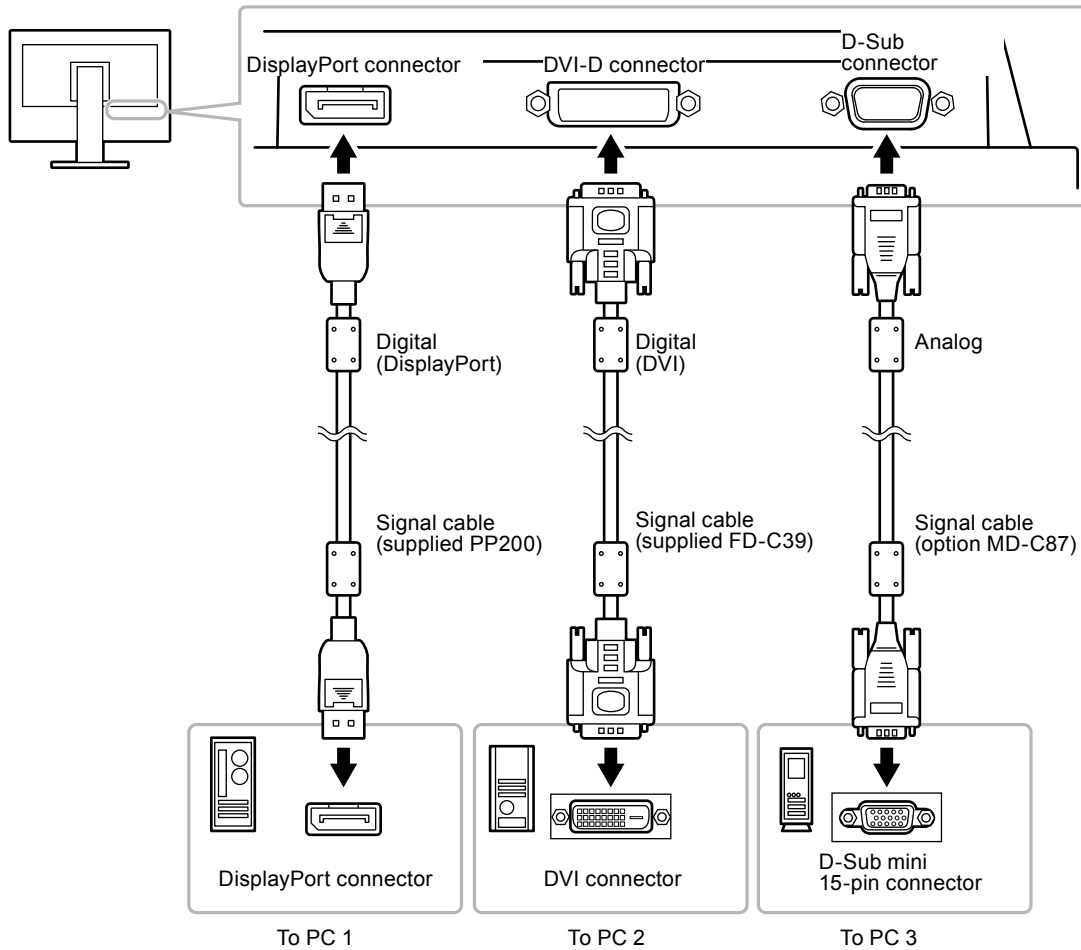
Make sure that the lock is latched with clicking sound shown in the figure below.



6-3. Connecting Multiple PCs

The product has multiple connections to PCs and allows you to switch to one of the connections for display.

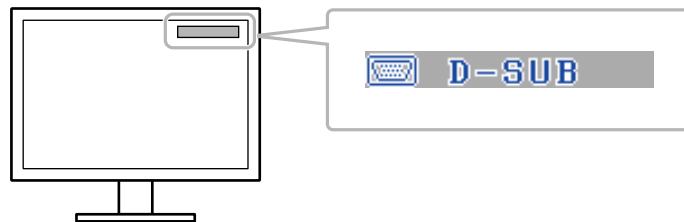
Connection examples



● To switch among input signals

The input signal switches each time **Ⓢ** is pressed.

When the signal is switched, the active input port name appears at the top right corner of the screen.



● To set input signal selection <Input Signal>

Setting	Function
Auto	The monitor recognizes the connector through which PC signals are input. When a PC is turned off or enters the power-saving mode, the monitor automatically displays another signal.
Manual	The monitor detects only the PC's signals currently displaying automatically. Select an active input signal with Ⓢ.

Procedure

1. Choose <Others> from the Adjustment menu, and press Ⓞ.
2. Choose <Input Signal> from the <Others> menu, and press Ⓞ.
The <Input Signal> menu appears.
3. Select "Auto" or "Manual" with Ⓢ or Ⓡ.
4. Press Ⓞ to exit the adjustment.

Note

- When "Auto" is selected for <InputSignal>, the monitor's power-saving function works only when all PCs are in the power-saving mode.
-

6-4. Displaying Monitor Information <Information>

This function allows you to display the input signal status, current resolution and model name.

Information 1/3: Input signal status, resolution, and horizontal/vertical scan frequencies

Information 2/3: DDC/CI Enable/Disable status

Information 3/3: Model name, serial number, and usage time

Procedure

1. Choose <Information> from the Adjustment menu, and press Ⓞ.
The <Information> menu appears.
2. Then, press Ⓞ to check settings, etc.

Attention

- The usage time is not always "0" when you purchase the monitor due to factory inspection.
-

6-5. Specifications

LCD panel	Size	23.0-inch (580 mm) TFT color LCD
	Surface treatment	Anti-Glare Hard Coating
	Surface hardness	3 H
	Viewing angles	Viewing angles: Horizontal 178°, vertical 178° (CR≥10)
	Dot pitch	0.2655 mm
	Response time	Black-white-black: Approx. 25 ms Gray-to-gray: Approx. 7 ms (Overdrive setting: Enhanced)
Horizontal scan frequency	Analog	31-81 kHz
	Digital	31-68 kHz
Vertical scan frequency	Analog	55-76 Hz (non-interlace)
	Digital	59-61Hz (non-interlace) (VGA TEXT: 69-71Hz)
Resolution		1920 dots × 1080 lines
Max. dot clock		148.5 MHz
Max. display color		Approx. 16.77 million colors (1064.33 million colors/10 bit LUT)
Display area (H × V)		509.76 mm × 286.74 mm (20.1 inch × 11.3 inch)
Power supply		100-120 VAC ±10%, 50/60 Hz 0.75A 200-240 VAC ±10%, 50/60 Hz 0.45A
Power consumption	Screen display On	45 W or less (Speaker working) 42 W or less (Speaker not working)
	Power saving mode	1.0 W or less (for D-Sub single signal input, when stereo mini jack cable is not connected, [EcoView Sense] : "Off")
	Power Off	0.1 W or less (when stereo mini jack cable is not connected)
	Main power Off	0 W
Input signal connector		D-Sub mini 15-pin DVI-D connector (Applicable to HDCP) DisplayPort (Standard V1.1a, applicable to HDCP and 8-bit) Applicable Format (Audio signal) - 2ch linear PCM (32kHz / 44.1kHz / 48kHz / 88.2kHz / 96kHz / 176.4kHz / 192kHz)
Analog input signal (Sync)		Separate, TTL, positive/negative
Analog input signal (Video)		Analog, positive (0.7Vp-p/75Ω)
Digital signal transmission		TMDS (single link)
Video signal memory (Max.)		D-Sub input: 45 types, DVI-D input: 10 types, DisplayPort input: 10 types
Audio output		Speaker output: 0.35 W (8Ω, THD: 10% or less) Headphone output: 2 mW + 2 mW
Line input		Input impedance: 48 kΩ (Typ.) Input level: 1.0 Vrms (Max.)
Plug & play		Analog / Digital (DVI-D) : VESA DDC 2B / EDID structure 1.3 Digital (DisplayPort) : VESA DisplayPort / EDID structure 1.4
Dimensions (width) × (height) × (depth)	Main unit	547 mm (21.5 inch) × 517.8 - 346.5 mm (20.4 - 13.6 inch) × 236 - 221 mm (9.3 - 8.7 inch)
	Main unit (without stand)	547 mm (21.5 inch) × 332 mm (13.1 inch) × 47.5 mm (1.87 inch)
Mass	Main unit	Approx. 7.1 kg (15.7 lbs.)
	Main unit (without stand)	Approx. 4.3 kg (9.5 lbs.)

Movable range	FlexStand	Tilt:	30° Up, 0° Down
		Swivel:	172° Right, 172° Left
		Adjustable height:	225 mm (8.9 inch) (171.3 mm (6.7 inch) when Tilt is 0°)
		Rotation:	90° (clockwise)
Environmental conditions	Temperature	Operating:	5°C to 35°C (41°F to 95°F)
		Storage:	-20°C to 60°C (-4°F to 140°F)
	Humidity	Operating:	20% to 80% R.H. (no condensation)
		Storage:	10% to 90% R.H. (no condensation)
	Air pressure	Operating:	700 to 1,060 hPa
		Storage:	200 to 1,060 hPa

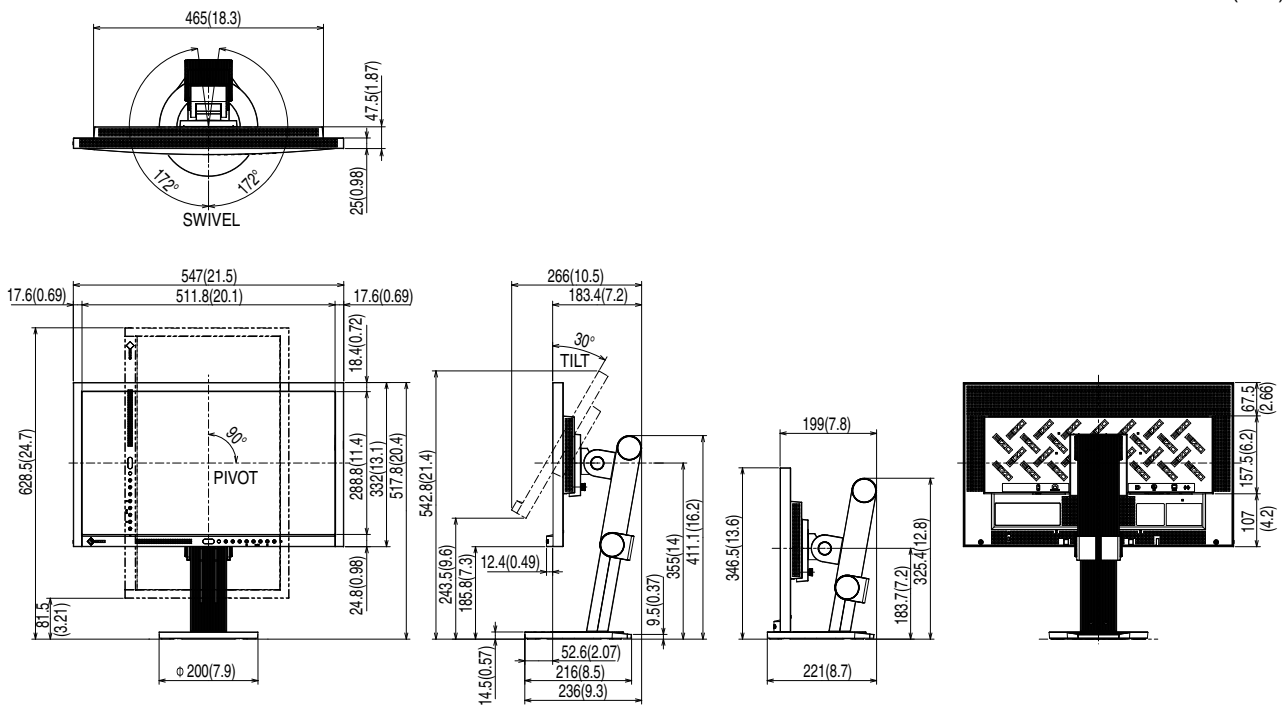
Main Default Settings

Auto EcoView	DICOM: Off*, Other modes: On	
EcoView Sense	Off	
EcoView Index	On	
Smoothing	3	
CAL Switch mode	DICOM	
PowerManager - Power save	On	
Input Signal	Manual	
Screen size	Full screen	
Off timer	Disable	
Menu position	Menu size	Normal
	Menu Off timer	45 seconds
Language	English	

* The Auto EcoView function cannot be used in the DICOM mode.

Outside Dimensions

Unit: mm (inch)



Accessories

Signalcable (D-Submini15-pin)	MD-C87
Cleaning Kit	EIZO ScreenCleaner

For the latest information about the accessories, refer to our web site.

<http://www.radiforce.com>

6-6. Glossary

Clock

The analog signal input monitor needs to reproduce a clock of the same frequency as the dot clock of the graphics system in use, when the analog signal is converted to a digital signal for image display. This is called clock adjustment. If the clock pulse is not set correctly, some vertical bars appear on the screen.

DDC/CI (Display Data Channel/Command Interface)

VESA provides the standardization for the interactive communication of the setting information, etc. between a PC and the monitor.

DICOM (Digital Imaging and Communication in Medicine)

The DICOM standard was developed by the American College of Radiology and the National Electrical Manufacturer's Association of the USA.

The DICOM compatible device connection enables to transfer the medical image and information. The DICOM, Part 14 document defines the digital, grayscale medical image display.

DisplayPort

VESA provides the digital interface standard for the digital display device. DisplayPort can transfer the video signal up to 16 bits for each channel of RGB, and the audio signal too. (This monitor supports the 8-bit video signal only.)

DVI (Digital Visual Interface)

DVI is a digital interface standard. DVI allows direct transmission of the PC's digital data without loss. This adopts the TMDS transmission system and DVI connectors. There are two types of DVI connectors. One is a DVI-D connector for digital signal input only. The other is a DVI-I connector for both digital and analog signal inputs.

DVI DMPM (DVI Digital Monitor Power Management)

DVI DMPM is a digital interface power-saving function. The "Monitor ON (operating mode)" and "Active Off (power-saving mode)" are indispensable for DVI DMPM as the monitor's power mode.

Gain

This is used to adjust each color parameter for red, green and blue. An LCD monitor displays the color by the light passing through the panel color filter. Red, green and blue are the three primary colors. All the colors on the screen are displayed by combining these three colors. The color tone can be changed by adjusting the light intensity (volume) passing through each color's filter.

Gamma

Generally, the monitor brightness varies nonlinearly with the input signal level, which is called "Gamma Characteristic". A small gamma value produces a low-contrast image, while a large gamma value produces a high-contrast image.

HDCP (High-bandwidth Digital Content Protection)

Digital signal coding system developed to copy-protect the digital contents, such as video, music, etc. This helps to transmit the digital contents safely by coding the digital contents sent via DVI terminal on the output side and decoding them on the input side. Any digital contents cannot be reproduced if both of the equipments on the output and input sides are not applicable to HDCP system.

Overdrive

This technology enhances response speed by increasing the potential difference at the time of motion of liquid-crystal pixels, and it is used for liquid-crystal TV sets and others in general. It provides clear-cut three-dimensional display with little image lag, by improving response speed of the intermediate graduation range that frequently appears in moving images.

Phase

Phase means the sampling timing to convert the analog input signal to a digital signal. Phase adjustment is made to adjust the timing. It is recommended that phase adjustment be made after the clock is adjusted correctly.

Range Adjustment

Range adjustment controls the signal output levels to display every color gradation. It is recommended that range adjustment be made before color adjustment.

Resolution

The LCD panel consists of numerous pixels of specified size, which are illuminated to form images. This monitor consists of 1920 horizontal pixels and 1080 vertical pixels. At a resolution of 1920×1080 , all pixels are illuminated as a full screen (1:1).

sRGB (Standard RGB)

International standard for color reproduction and color space among peripheral devices (such as monitors, printers, digital cameras, scanners). As a form of simple color matching for the Internet, colors can be displayed using tones close to those of the transmission and reception devices.

Temperature

Color temperature is a method to measure the white color tone, generally indicated in degrees Kelvin. The screen becomes reddish at a low temperature, and bluish at a high temperature, like the flame temperature.
5000K: Slightly reddish white
6500K: White referred to as daylight-balanced color
9300K: Slightly bluish white

TMDS (Transition Minimized Differential Signaling)

TMDS is one of the signal transmission methods for the digital interface.

VESA DPM (Video Electronics Standards Association - Display Power Management)

VESA specifications achieve increased energy efficiency for computer monitors. This involves standardization of signals sent from the computer (graphics board).

DPM defines the status of signals transmitted between the computer and monitor.

6-7. Preset Timing

The following table shows factory preset analog signal timing:

Attention

- Display position may be deviated depending on the PC connected, which may require screen adjustment using Adjustment menu.
- If a signal other than those listed in the table is input, adjust the screen using the Adjustment menu. However, screen display may still be incorrect even after the adjustment.
- When interlace signals are used, the screen cannot be displayed correctly even after screen adjustment using the Adjustment menu.

Resolution	Applicable Signals	Frequency			Polarity	
		Dot Clock: MHz	Horizontal: kHz	Vertical: Hz	Horizontal	Vertical
640 × 480	VGA	25.18	31.47	59.94	Negative	Negative
720 × 400	VGA TEXT	28.32	31.47	70.09	Negative	Positive
640 × 480	VESA	31.50	37.86	72.81	Negative	Negative
640 × 480	VESA	31.50	37.50	75.00	Negative	Negative
800 × 600	VESA	36.00	35.16	56.25	Positive	Positive
800 × 600	VESA	40.00	37.88	60.32	Positive	Positive
800 × 600	VESA	50.00	48.08	72.19	Positive	Positive
800 × 600	VESA	49.50	46.88	75.00	Positive	Positive
1024 × 768	VESA	65.00	48.36	60.00	Negative	Negative
1024 × 768	VESA	75.00	56.48	70.07	Negative	Negative
1024 × 768	VESA	78.75	60.02	75.03	Positive	Positive
1152 × 864	VESA	108.00	67.50	75.00	Positive	Positive
1280 × 720	CEA-861	74.25	45.00	60.00	Positive	Positive
1280 × 960	VESA	108.00	60.00	60.00	Positive	Positive
1280 × 1024	VESA	108.00	63.98	60.02	Positive	Positive
1280 × 1024	VESA	135.00	79.98	75.03	Positive	Positive
1680 × 1050	VESA CVT	146.25	65.29	59.95	Negative	Positive
1680 × 1050	VESA CVT RB	119.00	64.67	59.88	Positive	Negative
1920 × 1080	CEA-861	148.50	67.50	60.00	Positive	Positive

Appendix

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All other company and product names are trademarks or registered trademarks of their respective owners.

ENERGY STAR

As an ENERGY STAR Partner, EIZO NANA O CORPORATION has determined that this product meets the ENERGY STAR guidelines for energy efficiency.



FCC Declaration of Conformity

For U.S.A. , Canada, etc. (rated 100-120 Vac) Only

FCC Declaration of Conformity

We, the Responsible Party

EIZO NANA O TECHNOLOGIES INC.

5710 Warland Drive, Cypress, CA 90630

Phone: (562) 431-5011

declare that the product

Trade name: EIZO

Model: RadiForce MS230W

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 attached specified cable below or EIZO signal cable with this monitor so as to keep interference within the limits of a Class B digital device.

- AC Cord
- Shielded Signal Cable (Enclosed)

Canadian Notice

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Hinweise zur Auswahl des richtigen Schwenkarms für Ihren Monitor

Dieser Monitor ist für Bildschirmarbeitsplätze vorgesehen. Wenn nicht der zum Standardzubehör gehörige Schwenkarm verwendet wird, muss statt dessen ein geeigneter anderer Schwenkarm installiert werden. Bei der Auswahl des Schwenkarms sind die nachstehenden Hinweise zu berücksichtigen:

Der Standfuß muß den nachfolgenden Anforderungen entsprechen:

- a) Der Standfuß muß eine ausreichende mechanische Stabilität zur Aufnahme des Gewichtes vom Bildschirmgerät und des spezifizierten Zubehörs besitzen. Das Gewicht des Bildschirmgerätes und des Zubehörs sind in der zugehörigen Bedienungsanleitung angegeben.
- b) Die Befestigung des Standfusses muß derart erfolgen, daß die oberste Zeile der Bildschirmanzeige nicht höher als die Augenhöhe eines Benutzers in sitzender Position ist.
- c) Im Fall eines stehenden Benutzers muß die Befestigung des Bildschirmgerätes derart erfolgen, daß die Höhe der Bildschirmmitte über dem Boden zwischen 135 – 150 cm beträgt.
- d) Der Standfuß muß die Möglichkeit zur Neigung des Bildschirmgerätes besitzen (max. vorwärts: 5°, min. nach hinten $\geq 5^\circ$).
- e) Der Standfuß muß die Möglichkeit zur Drehung des Bildschirmgerätes besitzen (max. $\pm 180^\circ$). Der maximale Kraftaufwand dafür muß weniger als 100 N betragen.
- f) Der Standfuß muß in der Stellung verharren, in die er manuell bewegt wurde.
- g) Der Glanzgrad des Standfusses muß weniger als 20 Glanzeinheiten betragen (seidenmatt).
- h) Der Standfuß mit Bildschirmgerät muß bei einer Neigung von bis zu 10° aus der normalen aufrechten Position kippsicher sein.

Hinweis zur Ergonomie :

Dieser Monitor erfüllt die Anforderungen an die Ergonomie nach EK1-ITB2000 mit dem Videosignal, 1920 × 1080, Digital Eingang und mindestens 60,0 Hz Bildwiederholfrequenz, non interlaced. Weiterhin wird aus ergonomischen Gründen empfohlen, die Grundfarbe Blau nicht auf dunklem Untergrund zu verwenden (schlechte Erkennbarkeit, Augenbelastung bei zu geringem Zeichenkontrast.)

Übermäßiger Schalldruck von Ohrhörern bzw. Kopfhörern kann einen Hörverlust bewirken. Eine Einstellung des Equalizers auf Maximalwerte erhöht die Ausgangsspannung am Ohrhörer- bzw. Kopfhörerausgang und damit auch den Schalldruckpegel.

„Maschinenlärminformations-Verordnung 3. GPSGV:

Der höchste Schalldruckpegel beträgt 70 dB(A) oder weniger gemäss EN ISO 7779“

[Begrenzung des maximalen Schalldruckpegels am Ohr]
Bildschirmgeräte: Größte Ausgangsspannung 150 mV

LIMITED WARRANTY

LIMITED WARRANTY

EIZO NANA CORPORATION (hereinafter referred to as “**EIZO**”) and distributors authorized by EIZO (hereinafter referred to as the “**Distributors**”) warrant, subject to and in accordance with the terms of this limited warranty (hereinafter referred to as the “**Warranty**”), to the original purchaser (hereinafter referred to as the “**Original Purchaser**”) who purchased the product specified in this document (hereinafter referred to as the “**Product**”) from EIZO or Distributors, that EIZO and Distributors shall, at their sole discretion, either repair or replace the Product at no charge if the Original Purchaser becomes aware within the Warranty Period (defined below) that the Product malfunctions or is damaged in the course of normal use of the Product in accordance with the description in the instruction manual attached to the Product (hereinafter referred to as the “**User’s Manual**”).

The period of this Warranty is limited to (i) five (5) years from the date of purchase of the Product; or, limited to the expiration of (ii) 30,000 hours of its use of the Product (hereinafter referred to as the “**Warranty Period**”); provided, however, that the Warranty Period for the LCD panel of the Product is limited to three (3) years from the date of purchase of the Product. EIZO and Distributors shall bear no liability or obligation with regard to the Product in relation to the Original Purchaser or any third parties other than as provided under this Warranty.

EIZO and Distributors will cease to hold or store any parts of the Product upon expiration of seven (7) years after the production of such parts is discontinued. In repairing the monitor, EIZO and Distributors will use renewal parts which comply with our QC standards.

The Warranty is valid only in the countries or territories where the Distributors are located. The Warranty does not restrict any legal rights of the Original Purchaser.

Notwithstanding any other provision of this Warranty, EIZO and Distributors shall have no obligation under this Warranty whatsoever in any of the cases as set forth below:

- (a) Any defect of the Product caused by freight damage, modification, alteration, abuse, misuse, accident, incorrect installation, disaster, faulty maintenance and/or improper repair by third party other than EIZO and Distributors;
- (b) Any incompatibility of the Product due to possible technical innovations and/or regulations;
- (c) Any deterioration of display performance caused by the deterioration of expendable parts such as the LCD panel and/or backlight, etc. (e.g. changes in brightness, changes in brightness uniformity, changes in color, changes in color uniformity, defects in pixels including burnt pixels, etc.);
- (d) Any defect of the Product caused by external equipment;
- (e) Any defect of the Product on which the original serial number has been altered or removed;
- (f) Any normal deterioration of the product, particularly that of consumables, accessories, and/or attachments (e.g. buttons, rotating parts, cables, User’s Manual, etc.); and
- (g) Any deformation, discoloration, and/or warp of the exterior of the product including that of the surface of the LCD panel.

To obtain service under the Warranty, the Original Purchaser must deliver the Product, freight prepaid, in its original package or other adequate package affording an equal degree of protection, assuming the risk of damage and/or loss in transit, to the local Distributor. The Original Purchaser must present proof of purchase of the Product and the date of such purchase when requesting services under the Warranty.

The Warranty Period for any replaced and/or repaired product under this Warranty shall expire at the end of the original Warranty Period.

EIZO OR DISTRIBUTORS ARE NOT RESPONSIBLE FOR ANY DAMAGE TO, OR LOSS OF, DATA OR OTHER INFORMATION STORED IN ANY MEDIA OR ANY PART OF ANY PRODUCT RETURNED TO EIZO OR DISTRIBUTORS FOR REPAIR.

EIZO AND DISTRIBUTORS MAKE NO FURTHER WARRANTIES, EXPRESSED OR IMPLIED, WITH RESPECT TO THE PRODUCT AND ITS QUALITY, PERFORMANCE, MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR USE. IN NO EVENT SHALL EIZO OR DISTRIBUTORS BE LIABLE FOR ANY INCIDENTAL, INDIRECT, SPECIAL, CONSEQUENTIAL OR OTHER DAMAGE WHATSOEVER (INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF PROFIT, BUSINESS INTERRUPTION, LOSS OF BUSINESS INFORMATION, OR ANY OTHER PECUNIARY LOSS) ARISING OUT OF THE USE OR INABILITY TO USE THE PRODUCT OR IN ANY CONNECTION WITH THE PRODUCT, WHETHER BASED ON CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, EVEN IF EIZO OR DISTRIBUTORS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THIS EXCLUSION ALSO INCLUDES ANY LIABILITY WHICH MAY ARISE OUT OF THIRD PARTY CLAIMS AGAINST THE ORIGINAL PURCHASER. THE ESSENCE OF THIS PROVISION IS TO LIMIT THE POTENTIAL LIABILITY OF EIZO AND DISTRIBUTORS ARISING OUT OF THIS LIMITED WARRANTY AND/OR SALES.

BEGRENZTE GARANTIE

EIZO NANO CORPORATION (im Weiteren als „**EIZO**“ bezeichnet) und die Vertragsimporteure von EIZO (im Weiteren als „**Vertrieb(e)**“ bezeichnet) garantieren dem ursprünglichen Käufer (im Weiteren als „**Erstkäufer**“ bezeichnet), der das in diesem Dokument vorgegebene Produkt (im Weiteren als „**Produkt**“ bezeichnet) von EIZO oder einem Vertrieb erworben hat, gemäß den Bedingungen dieser beschränkten Garantie (im Weiteren als „**Garantie**“ bezeichnet), dass EIZO und der Vertrieb nach eigenem Ermessen das Produkt entweder kostenlos reparieren oder austauschen, falls der Erstkäufer innerhalb der Garantiefrist (weiter unten festgelegt) eine Fehlfunktion bzw. Beschädigung des Produkts feststellt, die während des normalen Gebrauchs des Produkts gemäß den Anweisungen des zum Lieferumfang des Produkts gehörenden Benutzerhandbuchs (im Weiteren als „**Benutzerhandbuch**“ bezeichnet) aufgetreten ist.

Die Dauer der Garantieleistung beträgt (i) fünf (5) Jahre ab dem Erstverkaufsdatum des Produkts oder (ii) 30.000 Betriebsstunden des Produkts (im Weiteren als „**Garantiefrist**“ bezeichnet); die Garantiefrist für das LCD-Panel des Produkts ist jedoch auf drei (3) Jahre ab dem Erstverkaufsdatum des Produkts beschränkt. EIZO und die Vertriebe übernehmen über den Rahmen dieser Garantie hinaus hinsichtlich des Produkts keinerlei Haftung oder Verpflichtung dem Erstkäufer oder Dritten gegenüber.

EIZO und die Vertriebe verpflichten sich, Ersatzteile für das Produkt über einen Zeitraum von sieben (7) Jahren nach Einstellung der Produktion der Ersatzteile zu lagern bzw. anzubieten. EIZO und seine Vertriebspartner verpflichten sich, bei einer etwaigen Reparatur des Monitors ausschließlich Produkte gemäß den EIZO-Qualitätssicherungsstandards zu verwenden.

Diese Garantie gilt nur in Ländern oder Gebieten, in denen sich Vertriebe befinden. Die gesetzlichen Gewährleistungsrechte des Erstkäufers gegenüber dem Verkäufer werden durch diese Garantie nicht berührt.

EIZO und die Vertriebe besitzen im Rahmen dieser Garantie keinerlei Verpflichtung in den folgenden Fällen:

- (a) Produktdefekte, die auf Frachtschäden, Modifikation, Nachgestaltung, Missbrauch, Fehlbedienung, Unfälle, unsachgemäße Installation, Naturkatastrophen, fehlerhafte Wartung und/oder unsachgemäße Reparatur durch eine andere Partei als EIZO und die Vertriebe zurückzuführen sind.
- (b) Eine Inkompatibilität des Produkts aufgrund von technischen Neuerungen und/oder neuen Bestimmungen, die nach dem Kauf in Kraft treten.
- (c) Jegliche Verschlechterung der Bildschirmleistung, die durch Verschleißteile wie das LCD-Panel und/oder die Hintergrundbeleuchtung usw. hervorgerufen werden (z.B. Veränderungen von Helligkeit oder Helligkeitsverteilung, Veränderungen von Farbe oder Farbverteilung, Pixeldefekte einschließlich von durchgebrannten Pixeln usw.).
- (d) Produktdefekte, die durch externe Geräte verursacht werden.
- (e) Jeglicher Defekt eines Produkts, dessen ursprüngliche Seriennummer geändert oder entfernt wurde.
- (f) Normale Abnutzung des Produkts, insbesondere von Verbrauchsteilen, Zubehörteilen und/oder Beilagen (z.B. Tasten, drehbare Teile, Kabel, Benutzerhandbuch usw.); sowie
- (g) Verformungen, Verfärbungen und/oder Verziehungen am Produktäußeren, einschließlich der Oberfläche des LCD-Panels.

Bei Inanspruchnahme der Garantieleistung ist der Erstkäufer verpflichtet, das Produkt auf eigene Kosten und in der Originalverpackung bzw. einer anderen geeigneten Verpackung, die einen gleichwertigen Schutz gegen Transportschäden bietet, an den örtlichen Vertrieb zu übersenden, wobei der Erstkäufer das Transportrisiko gegenüber Schäden und/oder Verlust trägt. Zum Zeitpunkt der Inanspruchnahme der Garantieleistung muss der Erstkäufer einen Verkaufsbeleg vorweisen, auf dem das Kaufdatum angegeben ist.

Die Garantiefrist für ein im Rahmen dieser Garantie ausgetauschtes und/oder repariertes Produkt erlischt nach Ablauf der ursprünglichen Garantiefrist.

EIZO ODER DIE EIZO-VERTRAGSIMPORTEURE HAFTEN NICHT FÜR ZERSTÖRTE DATENBESTÄNDE ODER DIE KOSTEN DER WIEDERBESCHAFFUNG DIESER DATENBESTÄNDE AUF JEDLICHEN DATENTRÄGERN ODER TEILEN DES PRODUKTS, DIE IM RAHMEN DER GARANTIE BEI EIZO ODER DEN EIZO-VERTRAGSIMPORTEUREN ZUR REPARATUR EINGEREICHT WURDEN.

EIZO UND DIE EIZO-VERTRAGSIMPORTEURE GEBEN WEDER EXPLIZITE NOCH IMPLIZITE GARANTIE IN BEZUG AUF DIESES PRODUKT UND SEINE QUALITÄT, LEISTUNG, VERKÄUFLICHKEIT ODER EIGNUNG FÜR EINEN BESTIMMTEN ZWECK. AUF KEINEN FALL SIND EIZO ODER DIE EIZO-VERTRAGSIMPORTEURE VERANTWORTLICH FÜR JEDLICHE ZUFÄLLIGE, INDIREKTE, SPEZIELLE, FOLGE- ODER ANDERE SCHÄDEN JEDLICHER ART (EINSCHLIESSLICH OHNE JEDE BEGRENZUNG SCHÄDEN BEZÜGLICH PROFITVERLUST, GESCHÄFTSUNTERBRECHUNG, VERLUST VON GESCHÄFTSINFORMATION ODER JEDLICHE ANDEREN FINANZIELLEN EINBUSSEN), DIE DURCH DIE VERWENDUNG DES PRODUKTES ODER DIE UNFÄHIGKEIT ZUR VERWENDUNG DES PRODUKTES ODER IN JEDLICHER BEZIEHUNG MIT DEM PRODUKT, SEI ES BASIEREND AUF VERTRAG, SCHADENSERSATZ, NACHLAESSIGKEIT, STRIKTE HAFTPFLICHT ODER ANDEREN FORDERUNGEN ENTSTEHEN, AUCH WENN EIZO UND DIE EIZO-VERTRAGSIMPORTEURE IM VORAUS ÜBER DIE MÖGLICHKEIT SOLCHER SCHÄDEN INFORMIERT WURDEN. DIESER AUSSCHLUSS ENTHÄLT AUCH JEDE HAFTPFLICHT, DIE AUS FORDERUNGEN DRITTER GEGEN DEN ERSTKÄUFER ENTSTEHEN KANN. ZWECK DIESER KLAUSEL IST ES, DIE HAFTUNG VON EIZO UND DEN VERTRIEBEN GEGENÜBER FORDERUNGEN ZU BEGRENZEN, DIE AUS DIESER BESCHRÄNKTEN GARANTIE UND/ODER DEM VERKAUF ENTSTEHEN KÖNNEN.

GARANTIE LIMITÉE

EIZO NANA O CORPORATION (ci-après dénommé « **EIZO** ») et les distributeurs autorisés par EIZO (ci-après dénommés « **Distributeurs** »), sous réserve et conformément aux termes de cette garantie limitée (ci-après dénommée « **Garantie** »), garantissent à l'acheteur initial (ci-après dénommé « **Acheteur initial** ») du produit spécifié dans la présente (ci-après dénommé « **Produit** ») acheté auprès d'EIZO ou de Distributeurs agréés EIZO, que EIZO et ses Distributeurs auront pour option de réparer ou remplacer gratuitement le Produit si l'Acheteur initial constate, pendant la Période de garantie (définie ci-dessous), qu'il y a un dysfonctionnement ou que le Produit a subi un dommage dans le cadre d'une utilisation normale du Produit conformément à la description du mode d'emploi qui accompagne le Produit (ci-après dénommé « **Manuel d'utilisation** »).

La période de cette Garantie est limitée à (i) cinq (5) ans à partir de la date d'achat du Produit ou à (ii) 30 000 heures d'utilisation du Produit (ci-après dénommée « **Période de Garantie** »), sous réserve, toutefois, que la Période de Garantie du panneau LCD du Produit est limitée à trois (3) ans à partir de la date d'achat du Produit. EIZO et ses Distributeurs déclinent toute responsabilité ou obligation concernant ce Produit face à l'Acheteur initial ou à toute autre personne à l'exception de celles stipulées dans la présente Garantie.

EIZO et ses Distributeurs cesseront de tenir ou conserver en stock toute pièce de ce Produit après l'expiration de la période de sept (7) ans suivant l'arrêt de la production de telles pièces. Pour réparer le moniteur, EIZO et ses distributeurs utiliseront des pièces de rechange conformes à nos normes de contrôle qualité.

La Garantie est valable uniquement dans les pays ou les territoires où se trouvent les Distributeurs. La Garantie ne limite aucun des droits reconnus par la loi à l'Acheteur initial.

Nonobstant toute autre clause de cette Garantie, EIZO et ses Distributeurs n'auront d'obligation dans le cadre de cette Garantie pour aucun des cas énumérés ci-dessous :

- (a) Tout défaut du Produit résultant de dommages occasionnés lors du transport, d'une modification, d'une altération, d'un abus, d'une mauvaise utilisation, d'un accident, d'une installation incorrecte, d'un désastre, d'un entretien et/ou d'une réparation incorrects effectués par une personne autre que EIZO ou ses Distributeurs ;
- (b) Toute incompatibilité du Produit résultant d'améliorations techniques et/ou réglementations possibles ;
- (c) Toute détérioration des performances d'affichage causée par la détérioration des éléments consommables tels que le panneau LCD et/ou le rétroéclairage, etc. (par exemple des changements de luminosité, des changements de l'uniformité de la luminosité, des modifications de couleur, des changements de l'uniformité des couleurs, des défauts de pixels y compris des pixels brûlés, etc.);
- (d) Tout défaut du Produit causé par un appareil externe ;
- (e) Tout défaut d'un Produit sur lequel le numéro de série original a été altéré ou supprimé ;
- (f) Toute détérioration normale du Produit, particulièrement celle des consommables, des accessoires et/ou des pièces reliées au Produit (touches, éléments pivotants, câbles, Manuel d'utilisation etc.), et
- (g) Toute déformation, décoloration, et/ou gondolage de l'extérieur du Produit, y compris celle de la surface du panneau LCD.

Pour bénéficier d'un service dans le cadre de cette Garantie, l'Acheteur initial doit renvoyer le Produit port payé, dans son emballage d'origine ou tout autre emballage approprié offrant un degré de protection équivalent, au Distributeur local, et assumera la responsabilité des dommages et/ou perte possibles lors du transport. L'Acheteur initial doit présenter une preuve d'achat du Produit comprenant sa date d'achat pour bénéficier de ce service dans le cadre de la Garantie.

La Période de garantie pour tout Produit remplacé et/ou réparé dans le cadre de cette Garantie expirera à la fin de la Période de garantie initiale.

EIZO OU SES DISTRIBUTEURS NE SAURAIENT ÊTRE TENUS RESPONSABLES DES DOMMAGES OU PERTES DE DONNÉES OU D'AUTRES INFORMATIONS STOCKÉES DANS UN MÉDIA QUELCONQUE OU UNE AUTRE PARTIE DU PRODUIT RENVOYÉ À EIZO OU AUX DISTRIBUTEURS POUR RÉPARATION.

AUCUNE AUTRE GARANTIE, EXPLICITE OU TACITE, N'EST OFFERTE PAR EIZO ET SES DISTRIBUTEURS CONCERNANT LE PRODUIT ET SES QUALITÉS, PERFORMANCES, QUALITÉ MARCHANDE OU ADAPTATION À UN USAGE PARTICULIER. EN AUCUN CAS, EIZO OU SES DISTRIBUTEURS NE SERONT RESPONSABLES DES DOMMAGES FORTUITS, INDIRECTS, SPÉCIAUX, INDUITS, OU DE TOUT AUTRE DOMMAGE QUEL QU'IL SOIT (Y COMPRIS, SANS LIMITATION, LES DOMMAGES RÉSULTANT D'UNE PERTE DE PROFIT, D'UNE INTERRUPTION D'ACTIVITÉS, D'UNE PERTE DE DONNÉES COMMERCIALES, OU DE TOUT AUTRE MANQUE À GAGNER) RÉSULTANT DE L'UTILISATION OU DE L'INCAPACITÉ D'UTILISER LE PRODUIT OU AYANT UN RAPPORT QUELCONQUE AVEC LE PRODUIT, QUE CE SOIT SUR LA BASE D'UN CONTRAT, D'UN TORT, D'UNE NÉGLIGENCE, D'UNE RESPONSABILITÉ STRICTE OU AUTRE, MÊME SI EIZO OU SES DISTRIBUTEURS ONT ÉTÉ AVERTIS DE LA POSSIBILITÉ DE TELS DOMMAGES. CETTE LIMITATION INCLUT AUSSI TOUTE RESPONSABILITÉ QUI POURRAIT ÊTRE SOULEVÉE LORS DES RÉCLAMATIONS D'UN TIERS CONTRE L'ACHETEUR INITIAL. L'ESSENCE DE CETTE CLAUSE EST DE LIMITER LA RESPONSABILITÉ POTENTIELLE DE EIZO ET DE SES DISTRIBUTEURS RÉSULTANT DE CETTE GARANTIE LIMITÉE ET/OU DES VENTES.

GARANTÍA LIMITADA

EIZO NANO CORPORATION (en lo sucesivo “EIZO”) y sus distribuidores autorizados (en lo sucesivo los “Distribuidores”), con arreglo y de conformidad con los términos de esta garantía limitada (en lo sucesivo la “Garantía”), garantizan al comprador original (en lo sucesivo el “Comprador original”) que compró el producto especificado en este documento (en lo sucesivo el “Producto”) a EIZO o a sus Distribuidores, que EIZO y sus Distribuidores, a su propio criterio, repararán o sustituirán el Producto de forma gratuita si el Comprador original detecta dentro del periodo de la Garantía (indicado posteriormente) que el Producto no funciona correctamente o que se ha averiado durante el uso normal del mismo de acuerdo con las indicaciones del manual de instrucciones suministrado con el Producto (en lo sucesivo el “Manual del usuario”).

El periodo de validez de esta Garantía está limitado a (i) cinco (5) años a partir de la fecha de compra del Producto o (ii) a 30.000 horas de uso del Producto (en adelante designado como el “Periodo de Garantía”); con la exclusión, no obstante, de que el período de garantía del panel LCD del Producto está limitado a tres (3) años a partir de la fecha de compra del Producto. EIZO y sus Distribuidores no tendrán ninguna responsabilidad ni obligación con respecto al Producto para con el Comprador original ni para con terceros que no sean las estipuladas en la presente Garantía.

EIZO y sus Distribuidores no estarán obligados a suministrar cualquier recambio del Producto una vez pasados siete (7) años desde que se deje de fabricar el mismo. Para la reparación del monitor, EIZO y los distribuidores utilizarán repuestos que cumplan con nuestros estándares de control de calidad.

La Garantía es válida sólo en los países y territorios donde están ubicados los Distribuidores. La Garantía no restringe ningún derecho legal del Comprador original.

A pesar de las estipulaciones de esta Garantía, EIZO y sus Distribuidores no tendrán obligación alguna bajo esta Garantía en ninguno de los casos expuestos a continuación:

- (a) Cualquier defecto del Producto causado por daños en el transporte, modificación, alteración, abuso, uso incorrecto, accidente, instalación incorrecta, desastre, mantenimiento incorrecto y/o reparación indebida realizada por un tercero que no sea EIZO o sus Distribuidores.
- (b) Cualquier incompatibilidad del Producto debida a posibles innovaciones técnicas y/o reglamentaciones.
- (c) Cualquier deterioro en el rendimiento de la visualización causado por fallos en las piezas consumibles como el panel LCD y/o la "Backlight", etc. (p. ej. cambios de brillo, cambios de uniformidad del brillo, cambios de color, cambios de uniformidad del color, defectos de píxeles, incluyendo píxeles muertos, etc.).
- (d) Cualquier defecto del Producto causado por un equipo externo.
- (e) Cualquier defecto del Producto en el que haya sido alterado o borrado el número de serie original.
- (f) Cualquier deterioro normal del Producto, y en particular de las piezas consumibles, accesorios y demás (p. ej. botones, piezas giratorias, cables, Manual del usuario, etc.).
- (g) Cualquier deformación, decoloración y/o alabeo del exterior del Producto incluida la superficie del panel LCD.

Para obtener servicio en los términos de esta Garantía, el Producto deberá ser enviado por el Comprador original, a su Distribuidor local, con el transporte previamente pagado, en el embalaje original u otro embalaje adecuado que ofrezca el mismo grado de protección, asumiendo el riesgo de daños y/o pérdida del Producto durante el transporte. El Comprador original deberá presentar un comprobante de compra del Producto en el que se refleje la fecha de compra del mismo cuando lo solicite el servicio de Garantía.

El Periodo de garantía para cualquier Producto reemplazado y/o reparado en los términos de esta Garantía expirará al vencer el Periodo de garantía original.

EIZO O LOS DISTRIBUIDORES AUTORIZADOS DE EIZO NO SE RESPONSABILIZAN DE NINGÚN DAÑO O PÉRDIDA QUE PUEDAN SUFRIR LOS DATOS U OTRA INFORMACIÓN ALMACENADA EN CUALQUIER MEDIO O CUALQUIER PARTE DE CUALQUIER PRODUCTO DEVUELTO A EIZO O A LOS DISTRIBUIDORES DE EIZO PARA SU REPARACIÓN.

EIZO Y LOS DISTRIBUIDORES AUTORIZADOS DE EIZO NO OFRECEN NINGUNA OTRA GARANTÍA, IMPLÍCITA NI EXPLÍCITA, CON RESPECTO AL PRODUCTO Y A SU CALIDAD, RENDIMIENTO, COMERCIABILIDAD E IDONEIDAD PARA CUALQUIER USO EN PARTICULAR. EN NINGÚN CASO SERÁN EIZO O LOS DISTRIBUIDORES AUTORIZADOS DE EIZO RESPONSABLES DE NINGÚN DAÑO EMERGENTE, INDIRECTO, ESPECIAL, INHERENTE O CUALQUIERA QUE SEA (INCLUYENDO, SIN LIMITACIÓN, DAÑOS POR LUCRO CESANTE, INTERRUPCIÓN DE LA ACTIVIDAD COMERCIAL, PÉRDIDA DE INFORMACIÓN COMERCIAL O CUALQUIER OTRA PÉRDIDA PECUNIARIA) QUE SE DERIVE DEL USO O IMPOSIBILIDAD DE USO DEL PRODUCTO O EN RELACIÓN CON EL PRODUCTO, YA SEA BASADO EN CONTRATO, POR AGRAVIO, NEGLIGENCIA, ESTRICTA RESPONSABILIDAD O CUALQUIERA QUE SEA, AUN CUANDO SE HAYA ADVERTIDO A EIZO O A LOS DISTRIBUIDORES DE EIZO DE LA POSIBILIDAD DE TALES DAÑOS. ESTA EXCLUSIÓN TAMBIÉN ABARCA CUALQUIER RESPONSABILIDAD QUE PUEDA DERIVARSE DE RECLAMACIONES HECHAS POR UN TERCERO CONTRA EL COMPRADOR ORIGINAL. LA ESENCIA DE ESTA ESTIPULACIÓN ES LIMITAR LA RESPONSABILIDAD POTENCIAL DE EIZO Y LOS DISTRIBUIDORES QUE PUDIERA DERIVARSE DE ESTA GARANTÍA LIMITADA Y/O VENTAS.

GARANZIA LIMITATA

EIZO NANO CORPORATION (a cui si farà riferimento da qui in poi con “EIZO”) ed i Distributori autorizzati da EIZO (a cui si farà riferimento da qui in poi con “Distributori”) garantiscono, secondo i termini di questa garanzia limitata (a cui si farà riferimento da qui in poi con “Garanzia”) all’acquirente originale (a cui si farà riferimento da qui in poi con “Acquirente originale”) che ha acquistato il prodotto specificato in questo documento (a cui si farà riferimento da qui in poi con “Prodotto”) da EIZO o dai suoi Distributori, che EIZO e i distributori, a loro discrezione, ripareranno o sostituiranno il Prodotto senza addebito se l’Acquirente originale trova, entro il periodo della Garanzia (definito sotto), che il Prodotto malfunziona e si è danneggiato nel corso del suo normale utilizzo osservando le indicazioni del manuale di istruzioni allegato al Prodotto (a cui si farà riferimento da qui in poi con “Manuale utente”).

La presente Garanzia è limitato a (i) cinque (5) anni a partire dalla data d’acquisto del Prodotto; o, limitato (ii) allo scadere di 30.000 ore d’utilizzo del Prodotto (a cui si farà riferimento da qui in poi con “Periodo di Garanzia”); tenendo però presente che il Periodo di garanzia del pannello LCD del Prodotto è limitato a tre (3) anni dalla data d’acquisto del Prodotto. EIZO e i suoi Distributori non si assumono alcuna responsabilità e non hanno alcun obbligo riguardo al Prodotto verso l’Acquirente originale o terzi diversi da quelli relativi a questa Garanzia.

EIZO e i suoi Distributori cesseranno di tenere o di conservare qualsiasi ricambio del Prodotto allo scadere di sette (7) anni dopo che la produzione di tali ricambi è stata terminata. Per la riparazione del monitor, EIZO e i Distributori utilizzeranno parti di ricambio conformi ai nostri standard di controllo della qualità.

La Garanzia è valida soltanto nei paesi dove ci sono i Distributori EIZO. La Garanzia non limita alcun diritto legale dell’Acquirente originale.

Indipendentemente da qualsiasi altra condizione di questa Garanzia, EIZO e i suoi Distributori non avranno alcun obbligo derivante da questa Garanzia in ognuno dei casi elencati di seguito:

- (a) Qualsiasi difetto del Prodotto causato da danni di trasporto, modifiche, alterazioni, abusi, usi impropri, incidenti, installazione errata, calamità, manutenzione errata e/o riparazioni improprie eseguite da terze parti che non siano EIZO o i suoi Distributori.
- (b) Qualsiasi incompatibilità del Prodotto dovuta a possibili innovazioni tecniche e/o normative.
- (c) Qualsiasi deterioramento delle prestazioni dello schermo causato dal deterioramento delle parti consumabili, come il pannello LCD e/o la retroilluminazione, ecc. (per esempio: i cambiamenti di luminosità, cambiamenti di uniformità della luminosità, i cambiamenti di colore, i cambiamenti di uniformità del colore, i difetti dei pixel, inclusi i pixel bruciati, ecc.).
- (d) Qualsiasi difetto del Prodotto causato da apparecchiature esterne.
- (e) Qualsiasi difetto del Prodotto in cui il numero di serie originale sia stato alterato o rimosso.
- (f) Qualsiasi normale deterioramento del Prodotto, in particolar modo nelle sue parti di consumo, accessori, e/o attacchi (per esempio: tasti, parti rotanti, cavi, Manuale dell’utente, ecc.).
- (g) Qualsiasi tipo di deformazione, scolorimento, e/o di involucro esterno del Prodotto inclusa la superficie del pannello LCD.

Per ricevere assistenza tecnica con questa Garanzia, l’Acquirente originale deve inviare il Prodotto, con trasporto pre-pagato, nella sua confezione originale o altra confezione adeguata che fornisce un livello analogo di protezione, assumendosi il rischio di danni e/o perdita in transito, al Distributore locale. L’Acquirente originale deve presentare la prova di acquisto che stabilisce la data di acquisto del Prodotto quando richiede servizio sotto Garanzia.

Il Periodo di garanzia per qualsiasi Prodotto sostituito e/o riparato sotto questa Garanzia scade alla fine del Periodo di garanzia originale.

EIZO O I SUOI DISTRIBUTORI NON SONO RESPONSABILI PER QUALSIASI DANNO O PERDITA DI DATI O ALTRE INFORMAZIONI MEMORIZZATI SU QUALSIASI SUPPORTO O QUALSIASI PARTE DI QUALSIASI PRODOTTO INVIATO A EIZO O I SUOI DISTRIBUTORI PER RIPARAZIONI.

EIZO E I SUOI DISTRIBUTORI NON OFFRONO ALCUNA GARANZIA ADDIZIONALE, IMPLICITA O ESPLICITA, RIGUARDO IL PRODOTTO E LA SUA QUALITÀ, PRESTAZIONI, VENDIBILITÀ O APPROPRIATEZZA PER QUALSIASI USO PARTICOLARE. IN NESSUN CASO EIZO O I DISTRIBUTORI EIZO AUTORIZZATI SARANNO RESPONSABILI PER QUALSIASI DANNO ACCIDENTALE, INDIRECTO, SPECIALE, CONSEGUENTE O DI QUALSIASI ALTRA NATURA (INCLUSI, SENZA LIMITI, DANNI PER PERDITA DI PROFITTI, INTERRUZIONE DELLE ATTIVITÀ, PERDITA DI INFORMAZIONI D’AFFARI O QUALSIASI ALTRA PERDITA PECUNIARIA) DERIVANTI DALL’USO O DALL’IMPOSSIBILITÀ DI USARE IL PRODOTTO O IN QUALSIASI RELAZIONE AL PRODOTTO, SIA SU BASE DI CONTRATTO, TORTO, NEGLIGENZA, STRETTA RESPONSABILITÀ O ALTRIMENTI, ANCHE SE EIZO O I DISTRIBUTORI EIZO AUTORIZZATI SONO STATI AVVERTITI DELLA POSSIBILITÀ DI TALI DANNI. QUESTA ESCLUSIONE INCLUDE ANCHE QUALSIASI RESPONSABILITÀ CHE POSSA INSORGERE DA RECLAMI DI TERZI CONTRO L’ACQUIRENTE ORIGINALE. L’ESSENZA DI QUESTO PROVVEDIMENTO È LIMITARE LA RESPONSABILITÀ POTENZIALE DI EIZO E DEI DISTRIBUTORI DERIVANTE DA QUESTA GARANZIA LIMITATA E/O DALLE VENDITE.

BEGRÄNSAD GARANTI

EIZO NANO CORPORATION (nedan kallat "EIZO") och EIZOs auktoriserade distributörer (nedan kallade "Distributörer") garanterar i enlighet med villkoren i denna begränsade garanti (nedan kallad "Garantin") den ursprunglige köparen (nedan kallad den "Ursprunglige köparen") som köpte den i dokumentet specificerade produkten (nedan kallad "Produkten") från EIZO eller Distributörer, att EIZO eller Distributörer enligt eget gottfinnande kostnadsfritt antingen reparera eller byta ut den defekta Produkten om den Ursprunglige köparen inom Garantiperioden (definieras nedan) upptäcker att Produkten fungerar felaktigt eller skadas under normal användning av Produkten i enlighet med beskrivningen i bruksanvisningen (nedan kallad "Bruksanvisning").

Giltighetsperioden för denna garanti är begränsad till (i) fem (5) år från datumet för Produktens inköp eller, om detta inträffar tidigare, begränsat till utlöpanget av (ii) 30 000 timmars användning av Produkten (här kallad "Garantiperioden"). Garantiperioden för Produktens LCD-panel är dock begränsad till tre (3) år från datumet för Produktens inköp. EIZO och Distributörer ska inte under några villkor ha något annat ansvar än vad som anges i denna garanti gällande Produkten i relation till den Ursprunglige köparen eller tredje part.

EIZO och Distributörer kommer att upphöra med lagerhållning av Produktens delar efter sju (7) år efter att produktionen av dessa delar upphört. När skärmen repareras använder EIZO och distributörer reservdelar som uppfyller våra kvalitetsstandarder.

Garantin är endast giltig i de länder där det finns Distributörer. Garantin begränsar inte några av den Ursprunglige köparens lagstadgade rättigheter.

Oavsett andra villkor i denna garanti ska inte EIZO Distributörer under några villkor ha något ansvar i något av de fall som beskrivs nedan:

- (a) När någon bristfällighet hos Produkten kan härledas till att ha uppstått vid frakt, modifiering, ändring, felaktigt handhavande, olycka, felaktig installation, katastrof, felaktigt underhåll och/eller felaktig reparation utförd av tredje part annan än EIZO och Distributörer.
- (b) Alla former av inkompatibilitet hos Produkten på grund av möjliga tekniska innovationer och/eller bestämmelser.
- (c) Alla försämringar av bildens prestanda beroende på förbrukningsdelar så som LCD-panel och/eller bakgrundsbelysning etc. (t.ex. ändringar i ljusstyrka, jämnhet i ljusstyrka, färg, färgjämnhet, defekta pixlar och/eller fast lysande pixlar etc.).
- (d) Alla defekter hos Produkten som orsakats av extern utrustning.
- (e) Alla defekter hos Produkten på vilken det ursprungliga serienumret har ändrats eller avlägsnats.
- (f) All normal försämring av Produkten, speciellt förbrukningsartiklar, tillbehör och/eller yttre delar (t.ex. knappar, roterande delar, kablar, Bruksanvisningen etc.).
- (g) Varje deformation, missfärgning och/eller skevhet av Produktens yttre inklusive ytan på LCD-panelen.

För att erhålla service under denna garanti måste den Ursprunglige köparen (med hänseende till risken för skada och/eller förlust under transport) leverera Produkten till närmaste Distributör med förebetalad frakt, i dess ursprungliga förpackning eller annan fullgod förpackning som ger likvärdigt skydd. Den Ursprunglige köparen måste kunna visa inköpsbevis för Produkten som klargör Produktens inköpsdatum vid begäran av garantiservice.

Garantiperioden för alla utbytta och/eller reparerade produkter under denna garanti skall upphöra vid utgången av den ursprungliga Garantiperioden.

EIZO ELLER DISTRIBUTÖRER ÄR INTE ANSVARIGA FÖR NÅGON FORM AV SKADA ELLER FÖRLUST AV DATA ELLER ANNAN INFORMATION SOM HAR LAGRATS I NÅGON FORM AV MEDIA ELLER ANNAN DEL AV NÅGON PRODUKT SOM HAR RETURNERATS TILL EIZO ELLER DISTRIBUTÖRER FÖR REPARATION.

EIZO OCH DISTRIBUTÖRERNA GARANTERAR INGET, UTTRYCKLIGEN ELLER UNDERFÖRSTÅTT, VAD BETRÄFFAR PRODUKTEN OCH DESS KVALITET, PRESTANDA, SÄLJBARHET ELLER LÄMPLIGHET FÖR NÅGON FORM AV SPECIELL ANVÄNDNING. UNDER INGA OMSTÄNDIGHETER SKALL EIZO ELLER DISTRIBUTÖRERNA HÅLLAS ANSVARIGA FÖR NÅGRA SOM HELST UNDERORDNADE, INDIREKTA, SPECIELLA, DÄRAV FÖLJANDE ELLER ÖVRIGA SKADOR (INKLUSIVE, UTAN BEGRÄNSNING TILL, SKADOR FÖR FÖRLUST AV INKOMST, AVBRUTEN AFFÄRSRÖRELSE, FÖRLUST AV AFFÄRSINFORMATION ELLER ANNAN SÄRSKILD FÖRLUST) SOM UPPSTÅTT SOM ETT RESULTAT AV ANVÄNDNING ELLER OFÖRMÅGA ATT ANVÄNDA PRODUKTEN ELLER I NÅGON FORM AV ANSLUTNING TILL PRODUKTERNA, VARE SIG DETTA GRUNDAS PÅ KONTRAKT, ÅTALBAR HANDLING, FÖRSUMLIGHET, ANSVARSSKYLDIGHET ELLER ANNAT, ÄVEN OM EIZO ELLER DISTRIBUTÖRERNA HAR INFORMERATS BETRÄFFANDE MÖJLIGHET ATT SÅDANA SKADOR FÖRELIGGER. DETTA UNDANTAG OMFATTAR ÄVEN ALL FORM AV ANSVARSSKYLDIGHET SOM KAN UPPSTÅ GENOM EN TREDJE PARTS ANSPRÅK GENTEMOT DEN URSPRUNGLIGE KÖPAREN. GRUNDBESTÅNDSDELEN I BESTÄMMELEN ÄR ATT BEGRÄNSA DET EVENTUELLA ANSVARSTAGANDET FÖR EIZO OCH DISTRIBUTÖRERNA SOM KAN UPPSTÅ GENOM DENNA BEGRÄNSADE GARANTI OCH/ELLER FÖRSÄLJNING.

ΠΕΡΙΟΡΙΣΜΕΝΗ ΕΓΓΥΗΣΗ

Η ΕΙΖΟ NANAO CORPORATION (στο εξής «**ΕΙΖΟ**») και οι διανομείς που εξουσιοδοτεί η ΕΙΖΟ (στο εξής «**Διανομείς**») παρέχουν εγγύηση, υποκείμενη και σύμφωνα με τους όρους της παρούσας περιορισμένης εγγύησης (στο εξής «**Εγγύηση**»), στον αρχικό αγοραστή (στο εξής «**Αρχικός Αγοραστής**») ο οποίος αγόρασε το προϊόν που καθορίζεται στο παρόν έγγραφο (στο εξής «**Προϊόν**») από την ΕΙΖΟ ή τους Διανομείς, η οποία εξασφαλίζει ότι η ΕΙΖΟ και οι Διανομείς, σύμφωνα με τη διακριτή ευχέρειά τους, είτε θα επισκευάσουν είτε θα αντικαταστήσουν το Προϊόν χωρίς χρέωση εάν ο Αρχικός Αγοραστής αντιληφθεί εντός της Περιόδου Εγγύησης (ορίζεται κατωτέρω) ότι το Προϊόν δυσλειτουργεί ή έχει υποστεί βλάβη κατά τη διάρκεια κανονικής χρήσης του Προϊόντος σύμφωνα με την περιγραφή στο εγχειρίδιο χρήσης που συνοδεύει το Προϊόν (στο εξής «**Εγχειρίδιο Χρήστη**»).

Η περίοδος της παρούσας Εγγύησης είναι (i) πέντε (5) έτη από την ημερομηνία αγοράς του Προϊόντος, ή, στη λήξη των (ii) 30.000 ωρών χρήσης του Προϊόντος (στο εξής «**Περίοδος Εγγύησης**»), με την προϋπόθεση, ωστόσο, ότι η Περίοδος Εγγύησης για την οθόνη LCD του Προϊόντος περιορίζεται σε τρία (3) έτη από την ημερομηνία αγοράς του Προϊόντος. Η ΕΙΖΟ και οι Διανομείς δεν φέρουν καμία ευθύνη ή υποχρέωση όσον αφορά το Προϊόν σε σχέση με τον Αρχικό Αγοραστή ή οποιοδήποτε τρίτο μέρος, ούτε άλλη ευθύνη διαφορετική από αυτήν που παρέχεται στην παρούσα Εγγύηση.

Η ΕΙΖΟ και οι Διανομείς θα παύσουν να διατηρούν ή να αποθηκεύουν τυχόν εξαρτήματα του Προϊόντος κατόπιν της λήξης των επτά (7) ετών μετά τη διακοπή της παραγωγής τέτοιων εξαρτημάτων. Κατά την επισκευή της οθόνης, η ΕΙΖΟ και οι Διανομείς θα χρησιμοποιήσουν ανταλλακτικά επισκευής που συμμορφώνονται με τα πρότυπά μας για τη Διασφάλιση Ποιότητας.

Η Εγγύηση ισχύει μόνο σε χώρες ή περιοχές όπου βρίσκονται οι Διανομείς. Η Εγγύηση δεν περιορίζει οποιαδήποτε νόμιμα δικαιώματα του Αρχικού Αγοραστή.

Λαμβανομένης υπόψη κάθε διάταξης της παρούσας Εγγύησης, η ΕΙΖΟ και οι Διανομείς δεν θα έχουν καμία απολύτως υποχρέωση σύμφωνα με την παρούσα Εγγύηση σε οποιαδήποτε από τις περιπτώσεις που διατυπώνονται κατωτέρω:

- (α) Τυχόν ελάττωμα του Προϊόντος που προκαλείται από ζημιά κατά τη μεταφορά, τροποποίηση, αλλαγή, κατάχρηση, λανθασμένη χρήση, ατύχημα, λανθασμένη εγκατάσταση, καταστροφή, εσφαλμένη συντήρηση ή/και λανθασμένη επισκευή από τρίτο μέρος εκτός της ΕΙΖΟ και των Διανομέων,
- (β) Τυχόν ασυμβατότητα του Προϊόντος λόγω πιθανών τεχνικών καινοτομιών ή/και κανονισμών,
- (γ) Τυχόν επιδείνωση της απόδοσης οθόνης που προκαλείται από τη φθορά αναλώσιμων εξαρτημάτων όπως της οθόνης LCD ή/και του φωτός υποβάθρου, κτλ. (π.χ. αλλαγές στη φωτεινότητα, αλλαγές στην ομοιομορφία φωτεινότητας, αλλαγές στο χρώμα, αλλαγές στην ομοιομορφία χρώματος, ελαττώματα σε pixel περιλαμβανομένων των καμένων pixel, κτλ.),
- (δ) Τυχόν ελάττωμα του Προϊόντος που προκαλείται από εξωτερικό εξοπλισμό,
- (ε) Τυχόν ελάττωμα του Προϊόντος στο οποίο έχει τροποποιηθεί ή αφαιρεθεί ο γνήσιος αριθμός σειράς,
- (στ) Τυχόν φυσιολογική φθορά του προϊόντος, ιδιαίτερα αυτής των αναλώσιμων, των αξεσουάρ ή/και των προσαρτημάτων (π.χ. κουμπιά, περιστρεφόμενα μέρη, καλώδια, Εγχειρίδιο Χρήστη, κτλ.), και
- (ζ) Τυχόν παραμόρφωση, αποχρωματισμό ή/και διαστρέβλωση του εξωτερικού μέρους του προϊόντος, περιλαμβανομένης της επιφάνειας της οθόνης LCD.

Ο Αρχικός Αγοραστής για να δικαιούται υπηρεσίες επισκευής σύμφωνα με την Εγγύηση, θα πρέπει να παραδώσει το Προϊόν, με πληρωμένα τα μεταφορικά έξοδα, στην αρχική του συσκευασία ή σε άλλη επαρκή συσκευασία με ισότιμο βαθμό προστασίας, αναλαμβάνοντας τον κίνδυνο βλάβης ή/και απώλειας κατά τη μεταφορά, στον τοπικό Διανομέα. Ο Αρχικός Αγοραστής όταν ζητά υπηρεσίες επισκευής σύμφωνα με την Εγγύηση, θα πρέπει να προσκομίζει την απόδειξη αγοράς του Προϊόντος και την ημερομηνία της αγοράς.

Η Περίοδος Εγγύησης για οποιοδήποτε αντικατεστημένο ή/και επισκευασμένο προϊόν σύμφωνα με την παρούσα Εγγύηση λήγει στο τέλος της αρχικής Περιόδου Εγγύησης.

Η ΕΙΖΟ Ή ΟΙ ΔΙΑΝΟΜΕΙΣ ΔΕΝ ΕΥΘΥΝΟΝΤΑΙ ΓΙΑ ΟΠΟΙΟΔΗΠΟΤΕ ΒΛΑΒΗ Ή ΑΠΩΛΕΙΑ ΔΕΔΟΜΕΝΩΝ Ή ΑΛΛΩΝ ΠΛΗΡΟΦΟΡΙΩΝ ΠΟΥ ΑΠΟΘΗΚΕΥΟΝΤΑΙ ΣΕ ΟΠΟΙΟΔΗΠΟΤΕ ΜΕΣΟ Ή ΟΠΟΙΟΔΗΠΟΤΕ ΑΛΛΟ ΜΕΡΟΣ ΣΕ ΟΠΟΙΟΔΗΠΟΤΕ ΠΡΟΪΟΝ ΠΟΥ ΕΠΙΣΤΡΕΦΕΤΑΙ ΣΤΗΝ ΕΙΖΟ Ή ΣΕ ΔΙΑΝΟΜΕΑ ΓΙΑ ΕΠΙΣΚΕΥΗ.

Η ΕΙΖΟ ΚΑΙ ΟΙ ΔΙΑΝΟΜΕΙΣ ΔΕΝ ΠΑΡΕΧΟΥΝ ΚΑΜΙΑ ΠΕΡΑΙΤΕΡΩ ΕΓΓΥΗΣΗ, ΡΗΤΗ Ή ΣΥΝΕΠΑΓΟΜΕΝΗ, ΟΣΟΝ ΑΦΟΡΑ ΤΟ ΠΡΟΪΟΝ ΚΑΙ ΤΗΝ ΠΟΙΟΤΗΤΑ, ΤΗΝ ΑΠΟΔΟΣΗ, ΤΗΝ ΕΜΠΟΡΕΥΣΙΜΟΤΗΤΑ Ή ΤΗΝ ΚΑΤΑΛΛΗΛΟΤΗΤΑ ΤΟΥ ΓΙΑ ΟΠΟΙΟΔΗΠΟΤΕ ΣΥΓΚΕΚΡΙΜΕΝΗ ΧΡΗΣΗ. ΣΕ ΚΑΜΙΑ ΠΕΡΙΠΤΩΣΗ Η ΕΙΖΟ Ή ΟΙ ΔΙΑΝΟΜΕΙΣ ΔΕΝ ΘΑ ΕΥΘΥΝΟΝΤΑΙ ΓΙΑ ΚΑΜΙΑ ΑΠΟΛΥΤΩΣ ΤΥΧΑΙΑ, ΕΜΜΕΣΗ, ΕΙΔΙΚΗ, ΣΥΝΕΠΑΓΟΜΕΝΗ Ή ΑΛΛΗ ΒΛΑΒΗ (ΠΕΡΙΛΑΜΒΑΝΟΜΕΝΩΝ, ΜΕΤΑΞΥ ΑΛΛΩΝ, ΒΛΑΒΩΝ Ή ΑΠΩΛΕΙΑΣ ΚΕΡΔΩΝ, ΔΙΑΚΟΠΗΣ ΕΠΙΧΕΙΡΗΜΑΤΙΚΩΝ ΔΡΑΣΤΗΡΙΟΤΗΤΩΝ, ΑΠΩΛΕΙΑΣ ΕΠΙΧΕΙΡΗΜΑΤΙΚΩΝ ΠΛΗΡΟΦΟΡΙΩΝ Ή ΤΥΧΟΝ ΑΛΛΗΣ ΧΡΗΜΑΤΙΚΗΣ ΑΠΩΛΕΙΑΣ) ΠΟΥ ΠΡΟΚΥΠΤΕΙ ΑΠΟ ΤΗ ΧΡΗΣΗ Ή ΤΗΝ ΑΝΙΚΑΝΟΤΗΤΑ ΧΡΗΣΗΣ ΤΟΥ ΠΡΟΪΟΝΤΟΣ Ή ΤΥΧΟΝ ΑΛΛΗΣ ΣΥΝΔΕΣΗΣ ΜΕ ΤΟ ΠΡΟΪΟΝ, ΕΙΤΕ ΒΑΣΙΖΕΤΑΙ ΣΕ ΣΥΜΒΟΛΑΙΟ, ΒΛΑΒΗ, ΑΜΕΛΕΙΑ, ΑΥΣΤΗΡΗ ΕΥΘΥΝΗ Ή ΕΙΔΑΛΛΩΣ, ΑΚΟΜΗ ΚΙ ΕΑΝ Η ΕΙΖΟ Ή ΟΙ ΔΙΑΝΟΜΕΙΣ ΕΝΗΜΕΡΩΘΟΥΝ ΓΙΑ ΤΗΝ ΠΙΘΑΝΟΤΗΤΑ ΤΕΤΟΙΩΝ ΖΗΜΙΩΝ. Η ΕΞΑΙΡΕΣΗ ΑΥΤΗ ΠΕΡΙΛΑΜΒΑΝΕΙ ΕΠΙΣΗΣ ΟΠΟΙΟΔΗΠΟΤΕ ΕΥΘΥΝΗ ΕΝΔΕΧΕΤΑΙ ΝΑ ΠΡΟΚΥΨΕΙ ΑΠΟ ΑΞΙΩΣΕΙΣ ΤΡΙΤΟΥ ΜΕΡΟΥΣ ΚΑΤΑ ΤΟΥ ΑΡΧΙΚΟΥ ΑΓΟΡΑΣΤΗ. Η ΟΥΣΙΑ ΤΟΥ ΟΡΟΥ ΑΥΤΟΥ ΕΙΝΑΙ ΝΑ ΠΕΡΙΟΡΙΣΕΙ ΤΗΝ ΠΙΘΑΝΗ ΕΥΘΥΝΗ ΤΗΣ ΕΙΖΟ ΚΑΙ ΤΩΝ ΔΙΑΝΟΜΕΩΝ ΠΟΥ ΠΡΟΚΥΠΤΕΙ ΑΠΟ ΤΗΝ ΠΑΡΟΥΣΑ ΕΓΓΥΗΣΗ Ή/ΚΑΙ ΤΙΣ ΠΩΛΗΣΕΙΣ.

ОГРАНИЧЕННАЯ ГАРАНТИЯ

EIZO NANA CORPORATION (называемая в дальнейшем “EIZO”) и авторизованные EIZO дистрибуторы (называемые в дальнейшем “Дистрибуторы”) гарантируют, в соответствии с условиями и пунктами этой ограниченной гарантии (называемой в дальнейшем “Гарантия”), первичному покупателю (называемому в дальнейшем “Первоначальный покупатель”), который приобрел у EIZO или Дистрибуторов продукт, указанный в этом документе (называемый в дальнейшем “Продукт”), что EIZO или Дистрибуторы на свое усмотрение либо бесплатно отремонтируют, либо бесплатно заменят Продукт, если Первоначальный покупатель признает в пределах Гарантийного срока (определенного ниже), что Продукт неисправен или он поврежден процессе нормального использования продукта в соответствии с описанием в инструкции по эксплуатации, прилагаемой к Продукту (называемой в дальнейшем “Руководство пользователя”).

Гарантийный период ограничен сроком (i) пять (5) лет от даты приобретения Продукта, или ограничен сроком (ii) 30 000 часов использования Продукта (называемый в дальнейшем “Гарантийный период”), при условии, что Гарантийный период для панели ЖКД ограничен сроком три (3) года от даты приобретения Продукта. EIZO и Дистрибуторы не несут никакой ответственности и не берут обязательств относительно Продукта по отношению к Первоначальному покупателю или по отношению к любым третьим сторонам, кроме обязательств, оговоренных в этой Гарантии.

EIZO и Дистрибуторы прекратят хранение или складирование любых деталей Продукта по истечении семи (7) лет после прекращения производства таких деталей. В случае ремонта монитора EIZO и Дистрибуторы будут использовать запчасти, которые соответствуют нашим стандартам QC (контроль качества).

Гарантия действительна только в странах или регионах, где расположены Дистрибуторы. Гарантия не ограничивает никакие законные права Первоначального покупателя.

Несмотря на другие условия этой Гарантии EIZO и Дистрибуторы не несут никаких обязательств согласно этой Гарантии в любом из перечисленных ниже случаев:

- (а) Любые дефекты Продукта, вызванные повреждениями при перевозке, модификацией, изменением, неправильным обращением, неправильным использованием, авариями, неправильной установкой, стихийными бедствиями, неправильным уходом и/или неправильным ремонтом третьей стороной, отличной от EIZO или Дистрибуторов;
- (б) Любые несовместимости Продукта из-за технических усовершенствований и/или изменения технических норм;
- (в) Любые ухудшения работы дисплея, вызванные изнашиванием невосстановимых частей, таких как панель ЖКД и/или подсветка и т.д. (например, изменение в яркости, изменение в равномерности яркости, изменение в цветности, изменение в равномерности цветности, изменение в пикселях, включая выгоревшие пиксели и т.д.);
- (г) Любые дефекты Продукта, вызванные внешним оборудованием;
- (д) Любые дефекты Продукта, при которых оригинальный серийный номер был изменен или удален;
- (е) Любые естественные ухудшения продукта, в частности, вызванные износом расходных частей, принадлежностей и/или приспособлений (например, кнопок, вращающихся частей, кабелей, Руководства пользователя и т.д.); и
- (ж) Любые деформации, изменения цвета и/или коробления внешней поверхности продукта, включая поверхность панели ЖКД.

Чтобы получить техническое обслуживание в рамках Гарантии, Первоначальный покупатель должен доставить Продукт местному Дистрибутору, оплатив перевозку, в его оригинальной упаковке или в другой соответствующей упаковке, обеспечивающей равноценную степень защиты, принимая во внимание риск повреждения и/или утерю при транспортировке. При запросе технического обслуживания в рамках Гарантии Первоначальный покупатель должен предоставить свидетельство покупки продукта и даты покупки.

Гарантийный период для любого замененного и/или отремонтированного продукта в рамках Гарантии истекает в конце завершения срока действия оригинального Гарантийного периода.

EIZO ИЛИ ДИСТРИБУТОРЫ НЕ НЕСУТ ОТВЕТСТВЕННОСТИ ЗА ЛЮБЫЕ ПОВРЕЖДЕНИЯ ИЛИ УТЕРЮ ДАННЫХ ИЛИ ДРУГОЙ ИНФОРМАЦИИ, ХРАНЯЩИХСЯ НА КАКИХ-ЛИБО НОСИТЕЛЯХ ИНФОРМАЦИИ ИЛИ НА ЛЮБЫХ ДРУГИХ ЧАСТЯХ ПРОДУКТА, КОТОРЫЙ ВОЗВРАЩЕН EIZO ИЛИ ДИСТРИБУТОРАМ ДЛЯ РЕМОНТА.

EIZO И ДИСТРИБУТОРЫ НЕ ДАЮТ НИКАКОЙ ДАЛЬНЕЙШЕЙ ГАРАНТИИ, ВЫРАЖЕННОЙ ИЛИ ПОДРАЗУМЕВАЕМОЙ, ОТНОСИТЕЛЬНО ПРОДУКТА И ЕГО КАЧЕСТВА, ТЕХНИЧЕСКИХ ХАРАКТЕРИСТИК, ТОВАРНОСТИ ИЛИ СООТВЕТСТВИЯ ДЛЯ КАКОГО-ЛИБО ОПРЕДЕЛЕННОГО ИСПОЛЬЗОВАНИЯ. НИ ПРИ КАКИХ УСЛОВИЯХ EIZO ИЛИ ДИСТРИБУТОРЫ НЕ НЕСУТ ОТВЕТСТВЕННОСТИ ЗА ЛЮБОЙ СЛУЧАЙНЫЙ, КОСВЕННЫЙ, СПЕЦИАЛЬНЫЙ, ПОБОЧНЫЙ ИЛИ ИНОЙ УЩЕРБ (ВКЛЮЧАЯ, БЕЗ ОГРАНИЧЕНИЙ, УЩЕРБ ИЗ-ЗА НЕПОЛУЧЕННОЙ ПРИБЫЛИ, ПРЕРЫВАНИЯ БИЗНЕСА, ПОТЕРИ КОММЕРЧЕСКОЙ ИНФОРМАЦИИ ИЛИ ЛЮБЫЕ ДРУГИЕ ФИНАНСОВЫЕ ПОТЕРИ), ВОЗНИКШИЙ ИЗ-ЗА ИСПОЛЬЗОВАНИЯ ИЛИ НЕВОЗМОЖНОСТИ ИСПОЛЬЗОВАТЬ ПРОДУКТ ИЛИ В ЛЮБОЙ ДРУГОЙ СВЯЗИ С ПРОДУКТОМ, ЛИБО ОСНОВАННЫЙ НА КОНТРАКТНЫХ ОТНОШЕНИЯХ, ГРАЖДАНСКИХ ПРАВОНАРУШЕНИЯХ, НЕБРЕЖНОСТИ, ПРИЧИНЕНИЯ УЩЕРБА ТРЕТЬЕЙ СТОРОНЕ ИЛИ ЧЕМ-ЛИБО ЕЩЕ, ДАЖЕ ЕСЛИ EIZO ИЛИ ДИСТРИБУТОРЫ БЫЛИ УВЕДОМЛЕНЫ О ВОЗМОЖНОСТИ ТАКОГО УЩЕРБА. ЭТО ИСКЛЮЧЕНИЕ ТАКЖЕ ВКЛЮЧАЕТ ЛЮБЫЕ ОБЯЗАТЕЛЬСТВА, КОТОРЫЕ МОГУТ ВОЗНИКНУТЬ В РЕЗУЛЬТАТЕ ТРЕБОВАНИЙ ТРЕТЬЕЙ СТОРОНЫ В ОТНОШЕНИИ ПЕРВОНАЧАЛЬНОГО ПОКУПАТЕЛЯ. СУЩЕСТВОМ ЭТОГО ПОЛОЖЕНИЯ ЯВЛЯЕТСЯ ОГРАНИЧЕНИЕ ПОТЕНЦИАЛЬНОЙ ОТВЕТСТВЕННОСТИ EIZO И ДИСТРИБУТОРОВ, ВОЗНИКАЮЩЕЙ ИЗ-ЗА ЭТОЙ ОГРАНИЧЕННОЙ ГАРАНТИИ И/ИЛИ ПРОДАЖ.

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• 有毒有害物质或元素的名称及含量

部件名称	有毒有害物质或元素					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr (VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
印刷电路板	×	○	○	○	○	○
机箱	○	○	○	○	○	○
液晶显示器	×	×	○	○	○	○
其他	×	○	○	○	○	○

○：表示该有毒有害物质在该部件所有均质材料中的含量均在 SJ/T 11363-2006 规定的限量要求以下。
×：表示该有毒有害物质至少在该部件的某一均质材料中的含量超出 SJ/T 11363-2006 规定的限量要求。
(企业可在此处，根据实际情况对上表中打“×”的技术原因进行进一步说明)



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