

User's Manual

**FlexScan[®]
T550**

Color Display Monitor

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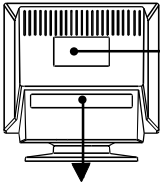
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PRECAUTIONS

IMPORTANT!

- * This product has been adjusted specifically for use in the region to which it was originally shipped. The performance of the product, (i.e. picture geometry, picture positioning and color convergence and purity in the case of color monitors) is optimally adjusted to the earth's magnetic field of the specific destination. If operated outside the region to which it was originally shipped, the product may not perform as stated in the specifications.
- * The manufacturer is not responsible for damage or malfunction caused by improper connection. The power cord should be connected directly to a standard wall power outlet.

Location of the caution statements



The equipment must be connected to a grounded main outlet.
Jordet stikkontakt skal benyttes når apparatet tilkobles datanett.
Apparaten skall anslutas till jordat nätuttag.
電源コードのアースは必ず接地してください。



警告	CAUTION	ATTENTION	ACHTUNG
高圧注意 サービスマン以外の方は裏蓋がた をあけないでください。 内部には高電圧部分があります。 万一感電すると危険です。	RISK OF ELECTRIC SHOCK. DO NOT OPEN.	RISQUE DE CHOC ELECTRIQUE. NE PAS OUVRIR.	GEFAHR DES ELEKTRISCHEN SCHLAGES. RÜCKWAND NICHT ENTFERNEN.



IMPORTANT!

To ensure personal safety and proper maintenance. Please read this section and the caution statements on the monitor (refer to the figure above).

This manual uses the safety symbols below. They denote critical information. Please read them carefully.



Indicates a prohibited action.



Indicates to ground for safety.



WARNING

Failure to abide by the information in a WARNING may result in serious injury and can be life threatening.



CAUTION

Failure to abide by the information in a CAUTION may result in moderate injury and/or property or product damage.



WARNING

- If the monitor begins to emit smoke, smells like something is burning, or makes strange noises, disconnect all power connections immediately and contact your dealer for advice.

Attempting to use a malfunctioning monitor can be dangerous.

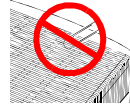
- Do not dismantle the cabinet or modify the monitor.

Dismantling the cabinet or modifying the monitor may result in electric shock or burn.



- **Keep small objects away from the monitor.**

Small objects may accidentally fall through the ventilation slots into the cabinet, leading to fire, shock, or equipment damage.



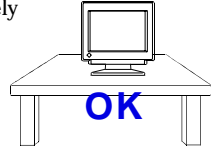
- **Keep liquids away from the monitor.**

Spillage into the cabinet may result in fire, electric shock, or equipment damage. If an object or liquid falls/spills into the cabinet, unplug the monitor immediately. Have the unit checked by a qualified service engineer before using it again.



- **Place the monitor on a strong, stable surface.**

A unit placed on an inadequate surface may fall, resulting in injury or equipment damage. If the monitor falls, disconnect the power immediately and have the unit checked by a qualified service engineer before using it again. Using a monitor after it has been dropped may result in fire or electric shock.



- **Keep the plastic packing bags away from children and infants.**

Plastic bags can be dangerous. To avoid danger of suffocation, keep the bag away from babies and children.

- **Keep power terminal covers for the optional i-Sound⁴ sound unit away from children and infants.**

Children and infants may accidentally swallow the covers and choke. If swallowed, consult a doctor immediately.



- **Use the enclosed power cord. If using the power cord other than the enclosed one, use the following cord.**

In USA and Canada:

- * Rating: min. 125 V, 10 A * Length: max. 2.1 m * Type: SVT
- * Plug type: NEMA 5-15P, Parallel blade, Grounding type, 125 V, 10 A

In Europe:

- * Rating: min. 250 V, 10 A * Length: max. 2.1 m
- * Type: H05VV-F 3G 1 mm²

Use a plug type approved by the country where you use

Failure to do so may cause fire or electric shock.

- **The equipment must be connected to a grounded main outlet.**



- **Use the correct voltage.**

The monitor is designed for use with a specific voltage only. Connection to a different voltage may cause fire, electric shock, or other damage.

- **Do not overload your power circuit, as this may result in fire or electric shock.**



- **For proper connections of the power cord, be certain to plug the power cord to the provided monitor connector and directly to a wall outlet.**

By not doing so may result in fire or electric shock.

- **Handle the power cord with care.**

- * Do not place the cord underneath the monitor or other heavy objects.
- * Do not pull on the cord.
- * Do not attempt to repair a damaged cord.

If the power cord becomes damaged, stop using it. Use of a damaged cord may result in fire or electric shock.



- **To disconnect the power cord, grasp the plug firmly and pull.**

Never tug on the cord, doing so may cause damage and could result in fire or electric shock.



CAUTION

- **Disconnect the power cord, signal cables and remove the optional i-Sound™ sound unit and i-Station™ USB hub (if applicable) when moving the monitor.**

Moving the monitor with the cord attached or lifting it by the i-Sound sound unit or i-Station USB hub is dangerous. It may result in injury or equipment damage.



- **Handle with care when carrying the monitor**

Note that the monitor is heavier at the front than at the rear. Do not move it alone. Always work with another person.

The screen is optically coated to reduce glare. Keep hard objects (such as buttons, tie pins, and other clothing accessories) away from the screen surface to prevent scratches.



- **Set the monitor in an appropriate location.**

- * Do not install in a dusty or humid environment.
- * Do not place in a location where light shines directly on the screen.
- * Do not place near heat generating devices or a humidifier.



- **Use an easily accessible power outlet.**

This will ensure that you can disconnect the power quickly in case of a problem.

- **Do not sit on the cabinet or place any heavy objects on the cabinet.**

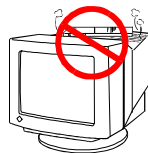
A unit with heavy objects on it may fall or be damaged and result in injury.



- **Do not block the ventilation slots on the cabinet.**

- * Do not place books or any other papers on the ventilation slots.
- * Do not install the monitor in a closed space.
- * Do not use the monitor laying down or upside down.
- * Do not remove the tilt-swivel stand.

Using the monitor in this way blocks the ventilation slots and prevents proper airflow, leading to fire or other damage.



- **Do not remove the tilt-swivel stand.**

The stand is required to maintain clearance for the ventilation slots on the bottom of the cabinet. Removing the stand will block these slots and may result in fire or electric shock.

- **Do not touch the plug with wet hands.**

Touching the plug with wet hands is dangerous and can cause electrical shock.



- **At the end of the day or if you plan to leave the monitor unused for an extended period, after turning off the power switch disconnect the power cord from the wall socket so that no power connections are made.**

- **Unplug the monitor before cleaning it.**

Cleaning the monitor while it is plugged into a power outlet may result in electric shock.

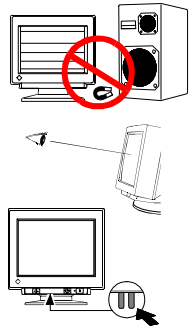
- **When adjusting the viewing angle of the monitor, do not do so by handling the sound unit or USB hub (if applicable).**

Adjusting the monitor in this way may break the unit or cause bodily injury.



Others

- Do not install the monitor within an area subject to strong magnetic fields (for example, in the vicinity of a speaker, except the optional *i*-Sound unit, or a high-voltage transformer). Magnetic fields can cause noise, image shaking, and other distortions.
- Generally, for maximum viewing comfort position the monitor slightly below eye level. Staring at the monitor for prolonged periods can cause eye strain. Be sure to take adequate rests. (A 10-minute rest period each hour is suggested.)
- Do not remove the covers to the power terminal for the optional *i*-Sound speaker unit for any reason except to attach the unit.



INTRODUCTION

About This Manual

This manual explains the precautions, specifications, and operation of your EIZO monitor. Please read through this manual as it will help you to get the most out of your monitor.

Controls & Connectors:

Front

AUTO-SIZING button

Automatically centers the displayed image, bringing the image borders into alignment with the monitor frame.

Power indicator

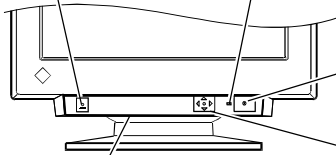
Indicates the power-on status, as follows:

Solid green:	Power is ON
Flashing green:	PowerManager Mode 1 Advance Notice Mode
Yellow:	PowerManager Mode 2
Flashing Yellow:	Off Timer Mode

Power switch

QuickSet™ Control pad (hereinafter "Control pad")

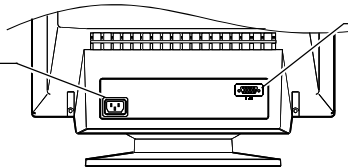
Power terminal covers for the optional i-Sound sound unit



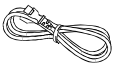
Rear

Power connector

D-Sub mini 15 pin input connector



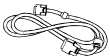
Package Contents:



Power Cord



EIZO Utility
Disk



Signal Cable
(MD-C87)



Warranty
Registration
Card



User's Manual

NOTE

- If any of the above-listed items are missing or damaged, please contact your local dealer for assistance.

1 INSTALLATION

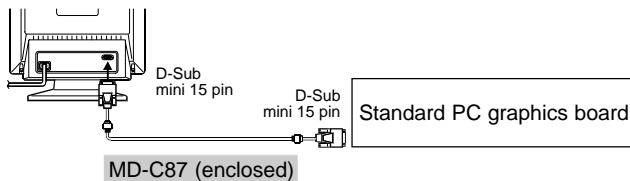
Connecting the monitor to the PC

- 1) Be sure that the power switches of both the PC and the monitor are OFF.
- 2) Plug the signal cable into the connector at the rear of the monitor.

NOTE

- When connecting the signal cable or cable adapter, first check that the shape at the cable side matches the shape at the connecting side. After connecting, secure the connection with the screw-in fasteners.
- 3) Plug the other end of the cable into the video connector on the rear of the PC. Refer to the figures below.

■ Standard PC graphics board



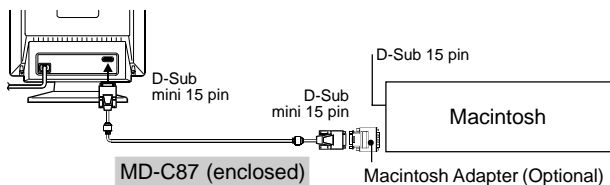
Using the monitor with Windows 95/98

A monitor information file is in the EIZO utility disk enclosed with the package. It includes all the required information for best operation with Windows 95/98.

Install the enclosed utility and select your model name from the monitor list in Windows 95/98. For installation procedure, read the Readme file in the utility disk.

■ Macintosh

An optional Macintosh adapter must be connected to the PC before connecting the signal cable. Please consult EIZO dealer.



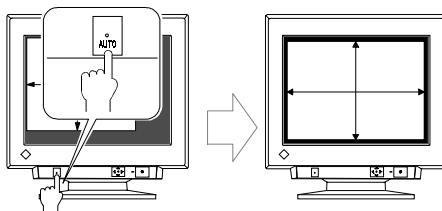
- 4) Plug the power cord into the power connector at the rear of the monitor. Then plug the other end of the cord into a power outlet.
- 5) Turn on the monitor first, then the PC. The monitor's power indicator will light up (green). The monitor will warm up briefly, then display an image. Whenever finishing your operation, turn off the PC and the monitor.

NOTE

- If an image does not appear, refer to the "TROUBLESHOOTING" section on page 15 for an advice.

Using the AUTO-SIZING button

After connecting the monitor to the PC, first press the AUTO-SIZING button on the front panel. The AUTO-SIZING function centers the displayed image, aligning the image's borders with respect to the monitor frame.



In general, press the AUTO-SIZING button whenever changing the graphics board to the resolution or when image size and/or position is incorrect.

If further adjustment is required, adjust the picture size/position as desired using the Size/Position function in the ScreenManager. Refer to page 11.

NOTE

- Some signals from the graphics board may not function properly.
- A solid-color screen (i.e. red, green, blue) may appear for an instant while performing the AUTO-SIZING function, while this phenomenon is not a failure.

Setting the resolution

The following look-up table shows the maximum (Non-interlaced) vertical refresh rates for this model with regard to **standard resolutions set forth by VESA**. The best way to see if the monitor will work with a given resolution and rate, is to compare the vertical refresh rate of the graphics board to the monitor's range (Refer to the graphics board manual for specifications). If the refresh rate is within the specified range of the monitor, it should operate properly.

Horizontal Scan Frequency (kHz)	Maximum Vertical Refresh rate (Hz)			
	640x480	800x600	1024x768	1280x1024
30-82	160	123	101	76

What is Resolution?

Resolution is expressed as the number of dots (pixels) displayed on the screen. A larger number of dots produces a more sharply defined (a higher-resolution) image.

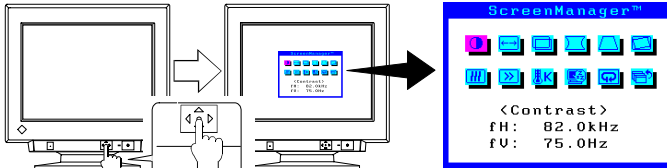
Note that for a given screen size the dot size decreases as the number of dots increases: a 640 × 480 (dot × line) resolution uses larger pixels than a 1024 × 768 resolution. The display size of a given font therefore varies according to the resolution. Higher resolutions allow you to display more information on the screen.

2 SCREEN ADJUSTMENT

How to use the ScreenManager

Entering the ScreenManager

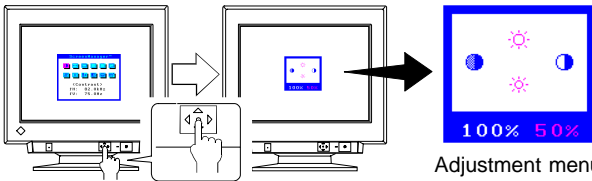
Press the ENTER key to display the ScreenManager Main menu.



Main menu

Making the Adjustments and Settings

1) Select the desired icon using the Arrow keys, and then press the ENTER key to display the each adjustment/setting menu.



Adjustment menu

2) Use the Control pad (the four Arrow keys and the ENTER key) to make the required adjustments and settings.



Save & Exit


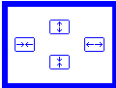

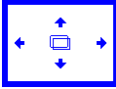

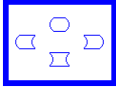

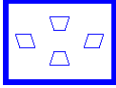

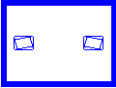

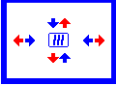

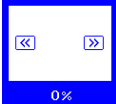
- 1) To save settings and return to the Main menu, press the ENTER key.
- 2) To exit the ScreenManager, select the Exit icon (or push the down Arrow key twice) and press the ENTER key.


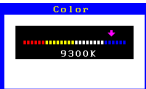




Adjustments and Settings

NOTE

- Allow the monitor to stabilize for at least 30 minutes before making image adjustments.

	OSD	Function (Arrow Keys Used)
 Contrast/ Brightness		Adjusts: a) Contrast (left/right) b) Brightness (up/down) • When a white text against a black background (e.g., DOS text) is used, setting the brightness at its maximum is recommended because a dark setting will result in eye strain due to high character contrast.

	OSD	Function (Arrow Keys Used)
 Size		Adjusts: Horizontal image size (left/right) Vertical image size (up/down)
 Position		Adjusts: Screen position
 Side-Pin Balance/ Side-Pincushion		Adjusts: Side-pin balance (left/right) Side-pincushion (up/down)
 Parallelogram/ Trapezoidal		<ul style="list-style-type: none"> · Tilts: image sides to sides (left/right) · Expands: top side/bottom side, shrinking the other side (up/down)
 Tilt		Tilts: the image (left/right)
 Convergence		Adjusts: Horizontal convergence (left/right) Vertical convergence (up/down) <ul style="list-style-type: none"> · The convergence adjustment adjusts the entire screen. It is not possible to limit adjustment to specific screen areas.
		<p>What is convergence? Convergence is the monitor's ability to precisely illuminate specific phosphors and line them up properly in order to produce pure color.</p>
 Moiré		Adjusts horizontal moiré (left/right)
		<p>What is moiré? Moiré refers to an interference pattern of dark wavy lines on the screen. It is not a defect, but rather an interference phenomenon caused by the relationship between the phosphor layout and the imaging signal. Moiré is often an indication of a good focus level. Moiré is particularly noticeable when using a light-gray or every-other-dot pattern background. Although moiré can not be eliminated, it can be reduced with the moiré reduction feature.</p>

	OSD	Function (arrow keys used)
 Color		Adjusts: Color temperature Temperature can be set from 6,500 K to 10,000 K, in 500 K increments. <ul style="list-style-type: none"> Each monitor is slightly different, if two monitors are set to the same color temperature value (i.e. 6,500K), they may not necessarily look the same.
 PowerManager		<ul style="list-style-type: none"> VESA DPMS Off Timer (Refer to the text below)
 Reset		Default settings are as follows. <ul style="list-style-type: none"> Contrast/Brightness: 100%/50% Moiré: 0% Color: 9,300K PowerManager: VESA DPMS = On Off Timer = Disable

PowerManager (VESA DPMS, Off Timer)

What is PowerManager?

The PowerManager feature automatically reduces the monitor's power consumption during idle periods. The EIZO PowerManager functions comply with the VESA DPMS standard.



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

NOTE

- Do your part to conserve energy, turn off the monitor when your finished using it. Complete energy use can only be stopped by disconnecting the monitor from the power supply.
- When the monitor is in a power saving mode, the optional EIZO i-Sound speaker unit and the optional EIZO i-Station USB hub will turn off.
- Off Timer will work while PowerManager is active, but there will be no advance notice before the monitor's power switches off.

VESA DPMS

What is VESA DPMS?

The acronym VESA stands for "Video Electronics Standards Association," and DPMS stands for "Display Power Management Signaling." DPMS is a communication standard that PCs and graphics boards use to implement power savings at the monitor side.

■ Set-up Procedure

- 1) First, make the appropriate settings for the PC.
- 2) Select VESA DPMS icon in the ScreenManager's PowerManager menu.
- 3) Select "On".

■ Power saving method of VESA DPMS and the monitor

VESA DPMS utilizes four signals: ON, STAND-BY, SUSPEND, and OFF. The monitor detects these signals from the graphics board and executes power-saving accordingly, as shown in the table below.

Signal	Screen	LED	Power consumption
ON	Operation	Green	110 W (normal)
STAND-BY	Blank	Green	80% of normal
SUSPEND	Blank (Mode 1)	Flashing green	less than 10 W
OFF	Blank (Mode 2)	Yellow	less than 3 W

Off Timer

What is Off Timer?

The Off Timer function allows the user to set the time in which the monitor will be in operation, called the "On Period" and automatically shifts the operation into the "Off Timer Mode" when the set "On Period" expires. The energy consumption of the monitor in the "Off Timer Mode" is as low as the one of the monitor in "PowerManger Mode 2" although no setting PC to operate the Off Timer function is required.

■ Set-up Procedure

- (1) Select the "Off Timer" icon.
- (2) Select "Enable".
- (3) Press the right/left key to adjust how long (1 to 23 hours) the monitor should be in the "On Period".

Advance notice (LED flashing green) will be given 15 minutes before the monitor automatically enters the "Off Timer Mode".

■ To Delay Entering the "Off Timer Mode"

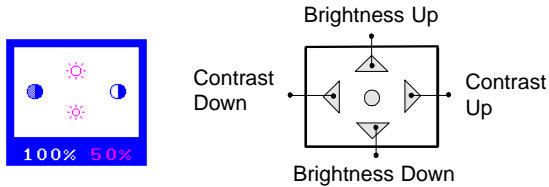
To delay entering the "Off Timer Mode", press any keys on the front panel located to the left of the power switch during the "Advance notice Mode". The monitor will continue to operate for an additional 90 minutes. There will be another advance notice for 15 minutes as described. Delayed entrance into the "Off Timer Mode" can be extended as many times as desired.

What is ENERGY STAR?

"ENERGY STAR" is a set of power saving guidelines issued by the U.S. Environmental Protection Agency (EPA). The guidelines apply to PC systems and peripherals.

Shortcut Keys

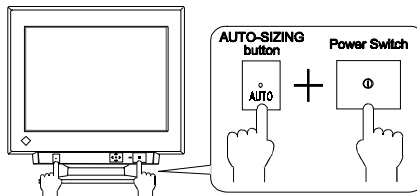
Before entering the ScreenManager, brightness and contrast can be adjusted directly by moving the Control pad. To record the new setting and exit the ScreenManager, press the Enter key. (The brightness and contrast functions are also available in the ScreenManager "contrast/brightness" menu.)



Adjustment Lock

The ScreenManager operation can be disabled by holding down the AUTO-SIZING button while switching on the monitor's power. This will disable ("lock") the ScreenManager and AUTO-SIZING button, protecting from accidental changes. To unlock the buttons: switch the power off, then hold down AUTO-SIZING button once again and turn the power back on.

Note that brightness and contrast can be adjusted using the shortcut keys even while the Control pad is locked. After making such an adjustment, push the ENTER key to clear the brightness/contrast adjustment menu from the screen.

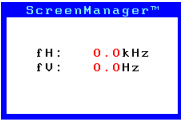
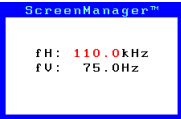


3 TROUBLESHOOTING

Troubleshooting

If a problem persists even after applying the suggested remedies, contact an EIZO dealer.

E

Problems	Points to check with possible solutions
1) Indicator status: OFF 2) Indicator status: GREEN 3) Indicator status: YELLOW 4) Indicator status: YELLOW (flashing)	<input type="checkbox"/> Check that the power cord is correctly connected. <input type="checkbox"/> Try pressing a key on the keyboard, or clicking the mouse. (The monitor may be in a power saving mode.) <input type="checkbox"/> Check brightness and contrast settings. Minimum settings will cause screen to be blank. <input type="checkbox"/> Try pressing a key on the keyboard, or clicking the mouse. (The monitor may be in a power saving mode.) <input type="checkbox"/> Try pressing any keys on the front panel, or switch the monitor off and then on. (The monitor may be in "Off Timer Mode".) If the problem persists, switch off the monitor power for a few minutes, then switch it back on and try again.
5) Following message appears. 	<input type="checkbox"/> Check that the PC is switched ON. <input type="checkbox"/> Check that the signal cable is properly connected to the graphics board or PC. <input type="checkbox"/> Check that the graphics board is correctly inserted in the PC.
6) Following message appears. (Example) 	<input type="checkbox"/> Use the graphics board's utility software to change the frequency setting. (Refer to the manual of the graphics board.)
<div style="background-color: #0056b3; color: white; padding: 2px;">NOTE</div> <ul style="list-style-type: none"> Whenever an error signal message appears, the signal frequency will be displayed in red. Error messages shown above will remain on the screen for 30 seconds. An error message may not appear at all if the signal frequency is extremely high or extremely low. 	
7) The image vibrates on the screen.	<input type="checkbox"/> Use of the "Moiré" adjustment may cause a slight vibration. To eliminate the vibration, set the adjustment level to lower percentage or 0%. See page 11. <input type="checkbox"/> Check that the signal cable is properly connected to the graphics board or PC. <input type="checkbox"/> Check that the graphics board is correctly mounted in the PC.

Problems	Points to check with possible solutions
	<ul style="list-style-type: none"> <input type="checkbox"/> The monitor may be located close to a device that is generating a magnetic field. Such devices include speakers (other than the EIZO optional <i>i</i>-Sound speaker), electric motors, high-voltage cables, and other monitors. It may be solved by switching off or moving the interfering device, or by relocating the monitor. <input type="checkbox"/> If the volume level of the EIZO optional <i>i</i>-Sound speaker is too high, it may, in some cases, cause a slight vibration. To eliminate, turn down the volume of the speaker.
<p>NOTE</p> <ul style="list-style-type: none"> • An unstable signal from the graphics board may be the cause of the above problem when using the monitor with a high resolution or in a high refresh mode. (The video signal from the graphics board might be made irregular due to the use of a high speed dot clock.) Change the resolution or the refresh rate to another setting. 	
<p>8) Moiré patterns are distracting.</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Reduce the moiré using the ScreenManager's "Moiré" adjustment menu following the procedure below. <ol style="list-style-type: none"> 1) Set the desktop to an every-other-dot pattern so that moiré will be visible. 2) Go to the ScreenManager's "Moiré" menu and adjust so that moiré becomes almost unnoticeable. See page 11. 3) Change to a different desktop background to reduce moiré even further. <input type="checkbox"/> Change the horizontal and vertical dimensions of the display area. <input type="checkbox"/> Change the selected desktop or wallpaper pattern to any solid color pattern. For detailed information on how to change these patterns, refer to the documentation for the PC and operating system.
<p>9) The image is flickering.</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Flicker will occur with interlaced scanning, or non-interlaced scanning with a low refresh rate. All EIZO monitors are capable of reproducing high refresh rates for non-interlaced scanning. If a problem occurs when using a non-interlaced signal, try adjusting the graphics board to increase the refresh rate (if possible). Refer to the graphics board manual for information.

Flicker

The term "flicker" refers to noticeable shimmering that occurs when the image on the screen is redrawn ("refreshed") too slowly. A refresh rate of 80 Hz means the image is redrawn 80 times per second. Most people will notice flicker at image refresh rates as high as 60 or 70 Hz, whereas refresh rates of 72 Hz or above usually is not noticeable. Flicker is known to be the cause of visual fatigue.

Problems	Points to check with possible solutions
10) • The entire screen appears bluish or reddish. <ul style="list-style-type: none"> • Color purity is not uniform. • Misconvergence of colors. (red, green, blue) 	<input type="checkbox"/> The CRT is not warmed up. Allow 30 minutes for the monitor to stabilize.

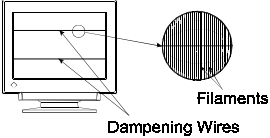
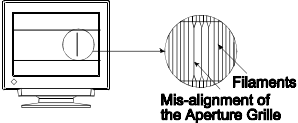
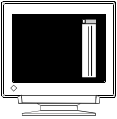
Explanation of the Characteristics of CRTs

When the monitor is not fully warmed up, the screen may look slightly colored, e.g. reddish or bluish. This phenomenon is due to the unstableness of the electron gun during its warm-up period. Please wait for about 30 minutes until the monitor stabilizes in order to gain its proper color.

11) • Control Pad “ENTER key” does not operate. <ul style="list-style-type: none"> • AUTO-SIZING button does not operate. 	<input type="checkbox"/> The Adjustment Lock is probably on. To unlock: switch off the monitor power, then hold down the AUTO-SIZING button and switch the monitor back on. See page 14.
12) AUTO-SIZING button does not work properly.	<input type="checkbox"/> The AUTO-SIZING function is intended for use on the Macintosh and on IBM compatibles running Windows. It may not work properly if either of the following applies. <ul style="list-style-type: none"> - You are running an AT-compatible PC on MS-DOS (not Windows). - The background color for the “wallpaper” or “desktop” pattern is set to black. <input type="checkbox"/> Some signals from graphics boards may not function properly.

NOTE

- A solid-color screen (i.e. red, green, blue) may appear for an instant while performing the AUTO-SIZING function, although, this phenomenon is not a failure.

Problems	Points to check with possible solutions
<p>13) Two horizontal hairlines are visible on the screen.</p> 	<p><input type="checkbox"/> These are dampening wires. Dampening wires are used to support the CRT's aperture grille, and are visible as thin dark lines across the screen. All EIZO aperture-grille type CRTs include two such horizontal wires.</p> <p>The aperture grille itself is a grid of taut metal filaments that spans the entire screen from top to bottom.</p>
<p>14) Faint black vertical lines are visible on the screen.</p>  	<p><input type="checkbox"/> The aperture grille may be misaligned. Shock or vibration during transport may, in some cases, cause the aperture grille to fall out of alignment. The problem will appear as one or more faint black lines across the screen.</p> <p>If this problem occurs, it may be able to solved by:</p> <ul style="list-style-type: none"> • degaussing the screen, or • lightly tapping (do not hit) the side of the monitor. <p>If neither of these methods works, try executing the following procedure.</p> <ol style="list-style-type: none"> 1) Display a bright white field over the area where the black line(s) appear, with a black field over the unaffected areas. (Do this by opening a bright-white window on top of a black desktop or wallpaper background. Position the window so that it just covers the area of misalignment.) 2) Set brightness and contrast to maximum values, and keep the display ON until the problem is corrected. Try tapping the side of the display lightly to help expedite realignment. The white field will heat up the misaligned area of the grille, returning it to proper alignment.

4 CLEANING



WARNING

- **Keep liquids away from the monitor.**

Spillage into the cabinet may result in fire, electric shock, or equipment damage.

If an object or liquid falls/spills into the cabinet, unplug the monitor immediately. Have the unit checked by a qualified service engineer before using it again.

Using the monitor in this condition could cause serious injury or equipment damage.



E



CAUTION

- **To ensure safety, always unplug the monitor before cleaning it.**
Failure to do so may result in electric shock.
- **Periodically clean the area around the plug.**
Buildup of dust, water, or oil on the plug may result in fire.
- **Never use thinner, benzene, alcohol (ethanol, methanol, or isopropyl alcohol), abrasive cleaners, or other strong solvents, as these may cause damage to the cabinet or CRT.**



Periodic cleaning is recommended to keep the monitor looking new and to prolong its operational lifetime. Clean the cabinet and CRT areas as follows:

Cabinet

To remove stains, wipe the cabinet with a soft, lightly moistened cloth using a mild detergent. Do not spray wax or cleaner directly onto the cabinet.

CRT Surface

The CRT surface can be cleaned with a soft cloth, such as cotton or lens paper.

If necessary, stubborn stains can be removed by moistening part of a cloth with water to enhance its cleaning power.



5 SPECIFICATIONS

Electrical Specifications

CRT	45 cm (17 inch) class, 90° deflection Aperture Grille type CRT with Anti-Reflective SuperErgoCoat®
CRT AG Pitch	0.25 mm
Scan Frequency	
Horizontal:	30 kHz-82 kHz (Automatic)
Vertical:	50 Hz-160 Hz (Automatic)
Max. Active Display Area	323 mm (H) × 242 mm (V) (12.7" (H) × 9.5" (V)) (Viewable image size: 403 mm (15.8")) * Display size can be set by the user through microprocessor control panel. * The actual size displayed can be dependent on the graphics board or PC utilized.
Power Supply	100-120/220-240 VAC±10%, 50/60 Hz, 1.3/0.6 A
Power Consumption	
Normal:	110 W
Max.:	135 W (with EIZO optional speaker attached)
PowerManager Mode 1:	Less than 10 W
PowerManager Mode 2:	Less than 3 W
Input Connector	D-Sub mini 15-pin
Recommended Resolution	1024 dots × 768 lines
Input Signal	
Sync:	<ul style="list-style-type: none">• H/V Separate, TTL, Positive/Negative• H/V Composite, TTL, Positive/Negative• Sync on Green 0.3 Vp-p, Negative• Analog 0.7 Vp-p/75 Ω, Positive
Video:	
Plug & Play	VESA DDC1/2B

Mechanical Specifications

Dimensions	410 mm (W) × 413 mm (H) × 439 mm (D) (16.1" (W) × 16.3" (H) × 17.3" (D))
Weight	20.8 kg (45.8 lbs.)

Environmental Specifications

Temperature	operating: 0°C to 35°C (32°F to 95°F) storage: -20°C to 60°C (-4°F to 140°F)
Humidity	30% to 80% R.H. Non-condensing

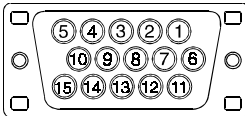
Preset Timing

2 factory presets shown below have been registered in the monitor's microprocessor.

	Resolution	Frequencies		Interlace	Sync Polarity	Video Signal Level
		fH (kHz)	fV (Hz)			
VGA (text)	720 × 400	31.47	70.09	Non	H/Negative V/Positive	0.7V(p-p)/75Ω
VESA	1024 × 768	68.68	85.00	Non	H/Positive V/Positive	0.7V(p-p)/75Ω

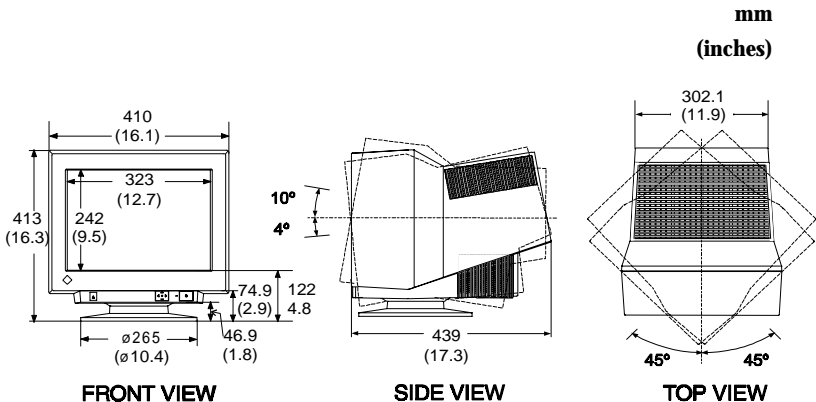
Pin Assignment

■ D-Sub mini 15 pin connector



Pin No.	Signal	Pin No.	Signal
1	Red video	9	No pin
2	Green video/ Green video with composite sync	10	Ground (shorted)
		11	Data
		12	H. Sync/ H/V composite sync
3	Blue video	13	V. Sync
4	Ground		
5	No pin		
6	Red ground	14	Clock
7	Green ground	15	Clock
8	Blue ground		

Dimensions



LIMITED WARRANTY

EIZO NANAO CORPORATION ("EIZO") and EIZO's authorized distributors warrant to the original purchaser that the product shall be free from defect in material and/or workmanship for a period of three (3) years from the date of purchase. The service parts stock for this model shall be maintained for 5 years after the production is discontinued. **To ensure the warranty, EIZO highly suggests that you return your "Warranty Registration" card to EIZO.**

In the event of malfunction during the warranty period attributable directly to faulty material and/or workmanship, EIZO and EIZO's authorized distributors will, at their option, either repair or replace the faulty product with the same or similar model. EIZO and EIZO's authorized distributors shall have no obligation under this warranty, however, in the following cases:

- (a) Any defect caused by freight damage, modification, alteration, abuse, misuse, accident, incorrect installation, disaster, faulty maintenance or improper repair by third party other than EIZO and EIZO's authorized distributors.
- (b) Any deformation, discoloration, warping, losing brightness or focus, or whatsoever due to normal deterioration of the product.
- (c) Any incompatibility of the products with subsequent technical innovations or regulations.
- (d) Any defects that are caused by burning of the screen phosphor, scratches on the surface and/or the blistering, peeling or flaking of the coating/panel on the CRT tube itself.
- (e) Any defect of the product caused by external equipment.
- (f) Any defect of the product on which the original serial number has been altered or removed.

To obtain service under this 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 your local EIZO authorized distributor. **The original purchaser must present proof of purchase establishing proof and date of purchase of the product when requesting warranty service.**

Once the warranty period has expired, the warranty on any replaced and/or repaired part also expires.

EIZO AND EIZO'S AUTHORIZED DISTRIBUTORS MAKE NO FURTHER WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THE PRODUCT AND ITS QUALITY, PERFORMANCE, MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR USE. IN NO EVENT SHALL EIZO AND EIZO'S AUTHORIZED DISTRIBUTORS BE LIABLE FOR ANY SPECIAL, CONSEQUENTIAL, INCIDENTAL OR OTHERS DAMAGES (INCLUDING, WITHOUT LIMITATION, LOSS OR PROFIT) WHETHER OR NOT EIZO AND EIZO'S AUTHORIZED DISTRIBUTORS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, ARISING OUT OF ANY BREACH OR REPUDIATION OF CONTRACT, OR WARRANTY, NEGLIGENCE, OR OTHERWISE. THIS EXCLUSION ALSO INCLUDES ANY LIABILITY WHICH MAY ARISE OUR OF THIRD PARTY CLAIMS AGAINST THE ORIGINAL PURCHASER. THE ESSENCE OF THE PROVISION IS TO LIMIT THE POTENTIAL LIABILITY OF EIZO AND EIZO'S AUTHORIZED DISTRIBUTORS ARISING OUT OF THIS AGREEMENT AND/OR SALES.

GARANTIE LIMITEE

EIZO NANAO CORPORATION (EIZO) et ses distributeurs agréés donnent à l'acquéreur une garantie couvrant les défauts matériels et/ou de fabrication pendant trois ans à compter de la date d'acquisition. **Pour bénéficier de la garantie de trois (3) ans veuillez renvoyer la carte d'enregistrement à EIZO CORPORATION.** Un stock de pièces détachées devra être maintenu dans les 5 années suivant la fin de vie de ce produit.

Dans l'éventualité d'un défaut de fonctionnement, pendant la période de garantie, attribué directement à un défaut matériel et/ou de fabrication, EIZO et ses distributeurs agréés, selon leur choix, répareront ou remplaceront le produit défectueux par un modèle identique ou similaire. EIZO et ses distributeurs agréés, d'après cette garantie, n'ont aucune obligation dans les cas suivants:

- (a) Tous défauts causés par un transport sans précautions, par des modifications, par des changements, par une mauvaise utilisation, par un accident, par une installation incorrecte, par un désastre, par un entretien défectueux ou une mauvaise réparation par un tiers autre qu'EIZO et ses distributeurs.
- (b) Toutes déformations, décolorations, perte de luminosité ou de mise au point, ou tout autre défaut dû à la détérioration normale du produit.
- (c) Toutes incompatibilités des produits avec des innovations ou règlements techniques ultérieurs.
- (d) Tous défauts causés par une brûlure du phosphore de l'écran, par des éraflures, par des décollements, par des écailllements et/ou des boursoufflures de la couche du panneau arrière du tube CRT.
- (e) Tous défauts du produit causés par des équipements externes.
- (f) Tous défauts du produit sur lequel le numéro de série original a été retiré ou modifié.

Pour profiter de cette garantie, l'acheteur original doit retourner le produit (en port payé) à son distributeur EIZO agréé, dans son emballage d'origine ou dans un autre emballage offrant un degré de protection équivalent, et en prenant la responsabilité en cas de détériorations et/ou de perte pendant le transport. **Dans le cas de l'utilisation de la garantie, l'acheteur original doit présenter un document prouvant l'achat ainsi que la date d'achat.**

Après l'expiration de la période de garantie, cette dernière expire aussi sur les pièces réparées et/ou remplacées.

EIZO ET SES DISTRIBUTEURS AGREES, NE FOURNISSENT AUCUNE AUTRE GARANTIE, EXPRIMEE OU INSINUEE, EN CE QUI CONCERNE LE PRODUIT ET SA QUALITE, SES PERFORMANCES, SA COMMERCIALISATION OU SON APPETITUDE EN CAS D'UTILISATIONS PARTICULIERES. EN AUCUN CAS, EIZO ET SES DISTRIBUTEURS AGREES NE SONT RESPONSABLES DES DOMMAGES CONSECUTIFS, D'IMPORTANCE SECONDAIRE ET DE TOUT AUTRE SORTIE (INCLUANT AUCUNE LIMITATION DE PERTES OU DE PROFITS). QU'EIZO ET SES DISTRIBUTEURS AGREES AIENT ETE AVISES DE LA POSSIBILITE DE TELS DEGATS, PROVENANT DE LA VIOLATION OU DU REFUS DU CONTRAT OU DE LA GARANTIE, DE NEGLIGENCES OU DANS TOUT AUTRE CAS, CES RESTRICTIONS S'APPLIQUENT EGALEMENT EN CAS DE RECLAMATION D'UN TIERS CONTRE L'ACHETEUR ORIGINAL, LE BUT DE CES PROVISIONS EST DE LIMITER LA RESPONSABILITE D'EIZO ET DE SES DISTRIBUTEURS AGREES DANS LE CADRE DE CET ACCORD ET/OU DE CES VENTES.

GARANTIE

EIZO NANAOCorporation (EIZO) und die autorisierten Distributoren garantieren dem Erstkäufer für drei (3) Jahre ab Kaufdatum, daß das von ihnen gelieferte Produkt frei von Material- und Verarbeitungsfehlern ist. Ersatzteile für dieses Modell werden für fünf (5) Jahre nach Produktionsende lieferbar sein. **Um die Garantie zu gewährleisten, empfiehlt EIZO die Rücksendung der „Warranty Registration Card“ an EIZO.**

Im Fall einer Fehlfunktion innerhalb dieser Garantiezeit, die direkt auf Material- und Verarbeitungsfehler zurückzuführen ist, werden EIZO bzw. die autorisierten Distributoren, nach freier Wahl, das defekte Produkt entweder reparieren oder durch ein gleiches oder gleichwertiges ersetzen. EIZO bzw. den Distributoren entsteht in folgenden Fällen jedoch keine Verpflichtung aus dieser Garantie:

- bei jeglichen Transportschäden, Modifizierungen, Änderungen, Mißbrauch, nicht bestimmungsgemäßer Nutzung, Unglücksfällen, fehlerhafter Installation, fehlerhafter Wartung oder nicht sachgemäßer Reparatur durch Dritte außer EIZO oder deren autorisierten Distributoren.
- bei jeglicher Verformung, Farbveränderung, Helligkeits- oder Schärfeverlust, oder sonstige Mängel, die durch normale Abnutzung bedingt sind.
- bei jeglicher Inkompatibilität der Produkte mit künftigen technischen Neuerungen und Regelungen.
- bei jeglichen Defekten, die durch Einbrennen des Phosphors entstehen, Kratzer oder Bläschen auf der Bildschirmoberfläche, Ablösung der Oberflächenbeschichtung der Bildröhre selbst.
- bei jeglichem Defekt, der auf externes Equipment zurückzuführen ist.
- bei jeglichem Defekt des Produktes, bei dem die Originalseriennummer verändert oder entfernt wurde.

Im Garantiefall muß das Produkt in Original- oder gleichwertiger Verpackung, die denselben Schutz bietet, an Ihren autorisierten EIZO-Distributor frei zurückgeschickt werden, wobei der Käufer das Risiko für Verlust oder Beschädigung trägt. **Garantieleistungen können nur unter Nachweis des Kaufbeleges durch den Käufer in Anspruch genommen werden.**

Die 3 jährige Garantiedauer verlängert sich durch Austausch und/oder Reparatur von Teilen nicht.

EIZO und die autorisierten Distributoren übernehmen keine weitergehende Garantie, weder ausdrücklich noch eingeschlossen, in Hinsicht auf das Produkt und seine Qualität, auf Leistungsmerkmale, auf Vermarktungsfähigkeit oder seine Eignung für spezielle Anwendungen. In keinem Fall haftet EIZO bzw. die Distributoren für besondere, zufällige, Folge- oder andere Schäden (einschl. entgangenem Gewinn) gleichgültig, ob Sie auf die Möglichkeit eines solchen Schadens, der aus Verstoß oder Verletzung von Vertrags- oder Garantiebestimmungen, sowie Fahrlässigkeit oder ähnlichem entstehen kann, hingewiesen wurden. Ausgeschlossen ist auch jede Verantwortung, die aus möglichen Ansprüchen Dritter gegen den Erstkäufer entstehen kann. Die Absicht dieser Bestimmung ist die Einschränkung der eventuellen Haftung EIZOs oder der autorisierten Distributoren, die aus dieser Vereinbarung und/oder dem Kauf entstehen könnte.

GARANTIA LIMITADA

EIZO NANAOCORPORATION ("EIZO") y los distribuidores autorizados de EIZO garantizan al comprador original que el producto estará libre de defectos en material y/o mano de obra por un periodo de tres (3) años desde la fecha de compra. El stock de piezas de repuesto será mantenido durante cinco años desde que acabe la producción de este modelo. **Para que la garantía sea válida, EIZO sugiere encarecidamente, que se envíe a EIZO la tarjeta de Registro de Garantía.**

En el caso de mal funcionamiento atribuible directamente a defectos de material y/o mano de obra durante el periodo de garantía, EIZO y sus distribuidores autorizados se reservan el derecho de reparar o reemplazar el producto defectuoso por el mismo o similar modelo. No obstante, EIZO y sus distribuidores autorizados no están obligados por esta garantía en los siguientes casos:

- Cualquier defecto producido por daños en el transporte, modificación, alteración, abuso, maltrato, accidente, instalación incorrecta, desastre, mal mantenimiento o reparación por parte de cualquiera que no sea EIZO o alguno de sus distribuidores autorizados.
- Cualquier deformación, decoloración, pérdida de brillo o foco, o todo lo causado por el deterioro normal del producto.
- Cualquier incompatibilidad de los productos con reglamentaciones o innovaciones tecnológicas posteriores.
- Cualquier defecto causado por el desgaste del fósforo de la pantalla, rayas en la superficie y/o la formación de burbujas, desconchamientos o peladuras del panel del propio tubo de rayos catódicos.
- Cualquier defecto del producto producido por equipamiento externo.
- Cualquier defecto del producto en el cual el número de serie original haya sido alterado o retirado.

Para obtener la prestación del servicio bajo esta garantía, el comprador original debe devolver el producto al distribuidor autorizado de EIZO, con los gastos de envío pagados, en su embalaje original o en otro que ofrezca igual grado de protección y asumiendo el riesgo de daño y/o pérdida durante el envío. **El comprador original debe presentar, cuando así se lo pida el servicio de garantías, una prueba con la fecha y el lugar de compra del producto.**

Una vez que el período de garantía finalice, también se da por terminada la garantía sobre cualquier parte reparada y/o sustituida.

EIZO Y SUS DISTRIBUIDORES AUTORIZADOS NO CUBREN MAS GARANTIAS, EXPRESADAS O IMPLICITAS, CON RESPECTO AL PRODUCTO Y SU CALIDAD, PRESTACIONES, CAPACIDAD COMERCIAL O SALUD PARA CUALQUIER USO EN PARTICULAR. EN NINGUN CASO EIZO Y SUS DISTRIBUIDORES AUTORIZADOS SERAN RESPONSABLES DE CUALQUIER OTRO DAÑO (INCLUYENDO, SIN LIMITACION, PERDIDAS O BENEFICIOS) HAYAN O NO AVISADO EIZO Y SUS DISTRIBUIDORES AUTORIZADOS DE LA POSIBILIDAD DE TALES DAÑOS, COMO CONSECUENCIA DE CUALQUIER INCUMPLIMIENTO O RECHAZO DE CONTRATO, GARANTIA, NEGLIGENCIA U OTROS. ESTA EXCLUSION TAMBIEN INCLUYE CUALQUIER RESPONSABILIDAD QUE PUEDA SURGIR DE DEMANDAS DE TERCEROS CONTRA EL COMPRADOR ORIGINAL. LA ESENCIA DE ESTA DISPOSICION ES LIMITAR LA RESPONSABILIDAD POTENCIAL QUE PUEDA SURGIR A EIZO Y SUS DISTRIBUIDORES AUTORIZADOS DE ESTE ACUERDO Y/O VENTA.

GARANZIA LIMITATA

EIZO NANAO CORPORATION (in seguito denominata EIZO) e i distributori autorizzati EIZO garantiscono il prodotto per quanto riguarda sia i difetti di materiale sia i difetti di lavorazione per il periodo di anni tre (3) dalla data di acquisto. Il magazzino delle parti di ricambio per questo modello dovrà essere mantenuto per 5 anni dopo il termine della produzione. **La scheda di registrazione del cliente, qui allegata, deve essere compilata e spedita entro dieci (10) giorni dalla data di acquisto.**

Nel caso in cui, nel periodo di garanzia, si verificano dei malfunzionamenti imputabili ai materiali e/o alla manodopera, EIZO e i distributori autorizzati EIZO, potranno, a loro scelta, riparare o sostituire il prodotto difettoso con uno identico o analogo. EIZO e i distributori autorizzati EIZO non si assumono alcuna responsabilità nei seguenti casi:

- Difetti causati da trasporto, modifiche, uso improprio, cause accidentali, installazione eseguita scorrettamente, manutenzione carente o tentativi di riparazione eseguiti da terzi che non siano EIZO e i distributori autorizzati EIZO.
- Qualsiasi deformazione, scolorimento, perdita di luminosità o funco, o qualsiasi altro tipo di alterazione dovuto al normale deterioramento del prodotto.
- Qualsiasi incompatibilità del prodotto con standard industriali introdotti successivamente.
- Qualsiasi difetto relativo alla bruciatura dei fosfori dello schermo e al degrado del rivestimento interno del tubo catodico.
- Qualsiasi difetto derivante dall'uso di dispositivi esterni al prodotto.
- Qualsiasi difetto di qualsiasi origine se il numero di serie del prodotto è stato alterato o cancellato.

Per usufruire del servizio di assistenza nei termini di questa garanzia, il cliente deve far pervenire il prodotto, franco di porto, nell'imballo originale o in imballo analogo che garantisca lo stesso grado di protezione, a EIZO o a un distributore autorizzato EIZO. **Il cliente originale deve presentare un documento di prova che dimostri inequivocabilmente la data di acquisto del prodotto.**

Quando la garanzia del monitor termina, anche la garanzia sulle parti sostituite o riparate termina.

EIZO E I DISTRIBUTORI AUTORIZZATI EIZO NON RILASCIANO ALCUNA GARANZIA, IMPLICITA O ESPLICITA, RELATIVAMENTE AL PRODOTTO E ALLA SUA QUALITÀ, ALLE SUE PRESTAZIONI, ALLA SUA VENDIBILITÀ E AL SUO IMPIEGO PER SCOPI PARTICOLARI. IN NESSUN CASO EIZO E I DISTRIBUTORI AUTORIZZATI EIZO POSSONO ESSERE RITENUTI RESPONSABILI DI QUALSIASI DANNO, DIRETTO O INDIRETTO (IVI COMPRESI QUELLI CONCERNENTI LA PERDITA DI PROFITTI, L'INTERRUZIONE DELL'ATTIVITÀ E SIMILI) DERIVANTI DALL'IMPIEGO E DALL'IMPOSSIBILITÀ DI USO DI PRODOTTI EIZO ANCHE SE EIZO È STATA AVVERTITA DELLA POSSIBILITÀ DI TALI DANNI. QUESTA ESCLUSIONE DI RESPONSABILITÀ RIGUARDA ANCHE I RISARCIMENTI CHE TERZI POSSONO RECLAMARE NEI CONFRONTI DELL'ACQUIRENTE. QUESTA NOTA VUOLE LIMITARE LA RESPONSABILITÀ DI EIZO E DEI DISTRIBUTORI AUTORIZZATI EIZO AL CONTENUTO DELL'ACCORDO DI VENDITA.

GARANTIVILLKOR

EIZO NANAO CORPORATION ("EIZO") och EIZOs auktoriserade distributörer garanterar ursprungskunden att produkten skall vara fri från materialfel och/eller tillverkningsfel under tre (3) år från inköpsdatum. Reservdelar för denna modell kommer att lagras under 5 år efter att produktionen upphört. **Vi rekommenderar att Ni skickar in det bifogade registreringskortet till oss för att registrering av korrekt inköpsdatum skall kunna ske.**

Om det skulle uppstå något fel på produkten under garantitiden som kan relateras till materialfel eller tillverkningsfel förbinder EIZO och EIZOs distributörer sig att avhjälpa felet eller byta ut den felaktiga produkten (EIZO eller distributören bestämmer vilket) mot samma eller likvärdig modell. EIZO och EIZOs distributörer tar dock inte något ansvar för fel som uppstått under någon eller några av följande omständigheter:

- Skador uppkomna vid frakt, olycka, katastrof, överkan, modifiering, felaktig installation, felaktigt användande, bristfälligt underhåll eller felaktig reparation utförd av annan än EIZO alternativt EIZOs auktoriserade distributör.
- Bilddeformation, färgfel, vitjämnhetsfel, avtagande ljusstyrka, försämrad skärpa och andra bildfel som beror på normal förslitning.
- Inkompatibilitet som uppstått på grund av teknisk utveckling.
- Defekter som uppkommit på grund av fosforbränning, repor på ytan och/eller övriga skador på ytbehandlingen/glaspanelen på bildröret.
- Defekter som orsakats av extern utrustning.
- Defekter på produkter där serienumret har ändrats eller tagits bort.

För att få garantiservice måste ursprungskunden leverera produkten med betald frakt till EIZOs lokala distributör. Produkten skall vara packad i originalförpackning, eller lämpligt förpackad med hänsyn till risken för transportskador. **Ursprungskunden skall kunna visa när produkten köpts med kvitto/faktura från inköpsstället för att garantin skall gälla.**

När garantiperioden har gått ut, upphör även garantin på utbytta/reparkerade delar.

EIZO OCH EIZOs AUKTORISERADE DISTRIBUTÖRER UTFÄSTER INGA YTTRELLIGARE GARANTIER, KLART UTTRYCK ELLER UNDERFÖRSTÅTT, MED AVSEENDE PÅ PRODUKTEN OCH DESS KVALITET, PRESTANDA, SÄLJBARHET ELLER LÄMPLIGHET FÖR SPECIELLA ANVÄNDNINGSMÖRÅDEN. INTE I NÅGOT FALL KAN EIZO ELLER EIZOs AUKTORISERADE DISTRIBUTÖRER STÄLLAS ANSVARIGA FÖR EVENTUELLA FEL, SKADOR, FÖLJDFEL (INKLUDERAR ÄVEN, UTAN BEGRÄNSNING, FÖRLORAD INKOMST ELLER AFFÄRSVINST) OAVSETT OM EIZO ELLER EIZOs AUKTORISERADE DISTRIBUTÖRER UNDERÅTTATS OM MÖJLIGHETEN AV SÅDANA SKADOR BERÖENDE PÅ BROTT AV ELLER FÖRNEKANDE AV AVTAL ELLER GARANTI, FÖRSMUMELSE ELLER ANNAT. DETTA UNDANTAG INNEFATTAR ÄVEN ALLT ANSVAR TILL FÖLJD AV KRAV FRÅN TREDJE MAN RIKTADE MOT URSPRUNGSKUNDEN. DESSA VILLKOR SYFTAR VÄSENTLIGEN TILL ATT BEGRÄNSA DET ANSVAR FÖR EIZO OCH EIZOs AUKTORISERADE ÅTERFÖRSÄLJARE SOM KAN UPPSTÅ TILL FÖLJD AV DENNA ÖVERENSKOMMELSE OCH/ELLER FÖRSÄLJNING.



Congratulations!

You have just purchased a TCO'99 approved and labelled product! Your choice has provided you with a product developed for professional use. Your purchase has also contributed to reducing the burden on the environment and also to the further development of environmentally adapted electronics products.

Why do we have environmentally labelled computers?

In many countries, environmental labelling has become an established method for encouraging the adaptation of goods and services to the environment. The main problem, as far as computers and other electronics equipment are concerned, is that environmentally harmful substances are used both in the products and during their manufacture. Since it is not so far possible to satisfactorily recycle the majority of electronics equipment, most of these potentially damaging substances sooner or later enter nature.

There are also other characteristics of a computer, such as energy consumption levels, that are important from the viewpoints of both the work (internal) and natural (external) environments. Since all methods of electricity generation have a negative effect on the environment (e.g. acidic and climate-influencing emissions, radioactive waste), it is vital to save energy. Electronics equipment in offices is often left running continuously and thereby consumes a lot of energy.

What does labelling involve?

This product meets the requirements for the TCO'99 scheme which provides for international and environmental labelling of personal computers. The labelling scheme was developed as a joint effort by the TCO (The Swedish Confederation of Professional Employees), Svenska Naturskyddsforeningen (The Swedish Society for Nature Conservation) and Statens Energimyndighet (The Swedish National Energy Administration).

Approval requirements cover a wide range of issues: environment, ergonomics, usability, emission of electric and magnetic fields, energy consumption and electrical and fire safety.

The environmental demands impose restrictions on the presence and use of heavy metals, brominated and chlorinated flame retardants, CFCs (freons) and chlorinated solvents, among other things. The product must be prepared for recycling and the manufacturer is obliged to have an environmental policy which must be adhered to in each country where the company implements its operational policy.

The energy requirements include a demand that the computer and/or display, after a certain period of inactivity, shall reduce its power consumption to a lower level in one or more stages. The length of time to reactivate the computer shall be reasonable for the user.

Labelled products must meet strict environmental demands, for example, in respect of the reduction of electric and magnetic fields, physical and visual ergonomics and good usability.

Below you will find a brief summary of the environmental requirements met by this product. The complete environmental criteria document may be ordered from:

TCO Development

SE-114 94 Stockholm, Sweden

Fax: +46 8 782 92 07

Email (Internet): development@tco.se

Current information regarding TCO'99 approved and labelled products may also be obtained via the Internet, using the address: <http://www.tco-info.com/>

Environmental requirements

Flame retardants

Flame retardants are present in printed circuit boards, cables, wires, casings and housings. Their purpose is to prevent, or at least to delay the spread of fire. Up to 30% of the plastic in a computer casing can consist of flame retardant substances. Most flame retardants contain bromine or chloride, and those flame retardants are chemically related to another group of environmental toxins, PCBs. Both the flame retardants containing bromine or chloride and the PCBs are suspected of giving rise to severe health effects, including reproductive damage in fish-eating birds and mammals, due to the bio-accumulative* processes. Flame retardants have been found in human blood and researchers fear that disturbances in foetus development may occur.

The relevant TCO'99 demand requires that plastic components weighing more than 25 grams must not contain flame retardants with organically bound bromine or chlorine. Flame retardants are allowed in the printed circuit boards since no substitutes are available.

Cadmium**

Cadmium is present in rechargeable batteries and in the colour-generating layers of certain computer displays. Cadmium damages the nervous system and is toxic in high doses. The relevant TCO'99 requirement states that batteries, the colour-generating layers of display screens and the electrical or electronics components must not contain any cadmium.

Mercury**

Mercury is sometimes found in batteries, relays and switches. It damages the nervous system and is toxic in high doses. The relevant TCO'99 requirement states that batteries may not contain any mercury. It also demands that mercury is not present in any of the electrical or electronics components associated with the labelled unit.

CFCs (freons)

The relevant TCO'99 requirement states that neither CFCs nor HCFCs may be used during the manufacture and assembly of the product. CFCs (freons) are sometimes used for washing printed circuit boards. CFCs break down ozone and thereby damage the ozone layer in the stratosphere, causing increased reception on earth of ultraviolet light with e.g. increased risks of skin cancer (malignant melanoma) as a consequence.

Lead**

Lead can be found in picture tubes, display screens, solders and capacitors. Lead damages the nervous system and in higher doses, causes lead poisoning. The relevant TCO'99 requirement permits the inclusion of lead since no replacement has yet been developed.

For Europe, etc. (220-240 Vac) Only

CE Marking

Declaration of Conformity

Kind of equipment/Type-designation: Monitor/T550

is in compliance with:

Council Directive 73/23/EEC	EN60950:1992+A1+A2+A3+A4+A11
Council Directive 89/336/EEC	EN55022 (classB):1997 EN50082-1:1992
	EN61000-3-2:1995 EN61000-3-3:1995

Konformitätserklärung

Geräteart/Gerätetyp : Monitor/T550

den folgenden Normen oder Vorschriften entspricht:

EU-Richtlinie 73/23/EEC	EN60950:1992+A1+A2+A3+A4+A11
EU-Richtlinie 89/336/EEC	EN55022 (classB):1997 EN50082-1:1992
	EN61000-3-2:1995 EN61000-3-3:1995

Déclaration de conformité

Nature de l'équipement/Type-désignation : Moniteur/T550

est en conformité avec :

Directive Européenne 73/23/EEC	EN60950:1992+A1+A2+A3+A4+A11
Directive Européenne 89/336/EEC	EN55022 (classB):1997 EN50082-1:1992
	EN61000-3-2:1995 EN61000-3-3:1995

Hinweis zur Ergonomie :

Dieser Monitor erfüllt die Anforderungen an die Ergonomie nach ZH1/618/10.80 durch die Ansteuerung mit der VGA - Videokarte, 1024 Punkte x 768 Zeilen, RGB analog, 0,7 Vp-p und mindestens 85,0 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.)

PTB Note

Eigensichere Kathodestranlröhre nach Anlage III Röntgenverordnung. Die in diesem Gerat entstehende Röntgenstrahlung ist durch die eigensichere Kathodenstrahlrohre ausreichend abgeschirmt.

Recycle Auskunft

Die Rücknahme dieses Produktes nach Nutzungsende übernimmt EIZO in Deutschland zusammen mit dem Partner von Roll MBB Recycling GmbH.

Dort werden die Geräte in ihre Bestandteile zerlegt, die dann der Wiederverwertung zugeführt werden. Um einen Abholtermin zu vereinbaren und die aktuellen Kosten zu erfahren, benutzen Sie bitte folgende Rufnummer: 02153-73 35 00. Weitere Informationen finden Sie auch unter der Internet-Adresse: www.eizo.de.

Hinweis

Die Bildrohre dieses Monitors is frei von Cadmium.

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

FCC Declaration of Conformity

We, the Responsible Party

EIZO Nanao Technologies Inc.
5710 Warland Drive, Cypress, CA 90630
Phone: (562) 431-5011

declare that the product

Trade name: EIZO
Model: FlexScan T550

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 (D-SUB mini 15 pin - D-SUB mini 15 pin, the enclosed signal cable)

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.

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