

# EIZO Professional Display Monitors

Quality, Reliability & Performance



# Listen to your eyes.



EIZO continues to capture the excitement of the monitor industry with our professional display monitors.

Concentrating on our strengths in digital and analogue circuit design and display technology, we constantly strive to produce products that enhance user performance and productivity.

Our dedicated customers guide us to building strategies to create and design monitors of uncompromising quality that incorporate leading-edge technology and deliver superior quality images.

EIZO's newest products are a combination of these strategies with a perceptive mix of performance, features, multimedia and ergonomic design for today's demanding applications.

Comfort and safety are critical to the working environment and EIZO has taken tremendous steps to ensure that our products are of maximum value to the user and the environment.

With EIZO's firm commitment to safety, productivity, recycling and conservation, we believe we produce exceptional quality products that meet the needs of people the world-over.

Contributing more cutting-edge technology to the display monitor market, EIZO is proud to announce our digital color LCD, the L23. The L23 will fulfil all of the requirements for distortion-free images, space saving and energy saving flat-panel display monitors.

EIZO stands apart in the industry because we are recognized for our high quality professional display monitors and we will remain committed to making the finest monitors in the world.



## High Image Quality

*The quality of an image is the one thing that users can appraise without having to understand the technology inside the monitor.*

*EIZO creates the superior quality image by incorporating the following technology inside our monitors.*

### Sharp Focus

All EIZO monitors, except the F35\*, are equipped with EIZO's original D.B.S.C. (Dynamic Beam Spot Control) system to achieve the sharpest focus at the corners as well as at the center of the screen.

\* The F35 was the first 15 inch product in the world to utilize a mini-neck CRT. We took this technology and added our own circuitry for even greater quality image, power reduction and excellent high quality images.

### High Contrast Images

To provide enhanced color images which are pleasing to the eye, EIZO monitors employ high contrast CRTs, making color images strikingly brilliant and vivid.



### White Uniformity

EIZO has incorporated a unique advanced circuit to compensate for white uniformity into the F77, F78 and T67S, enhancing the color consistency throughout the image by matching the color and brightness of areas on the periphery of the screen with the color and brightness in the center.

### Anti-Reflective Coating

To further ensure superb images, EIZO monitors\* utilize EIZO's SuperErgoCoat™, a high-quality anti-glare protectant which significantly reduces reflection to avoid eye-fatigue. The SuperErgoCoat also helps reduce dust, germs, static-electricity and potentially harmful emissions while improving the sharpness of the focus level.

\*The T67S utilizes EIZO's ErgoPanel.

### Advanced Circuitry for Superior Display Performance

High quality images and reliability are proven with EIZO's customized circuitry that are implemented and tested during the production process.

### Distortion Elimination Circuitry

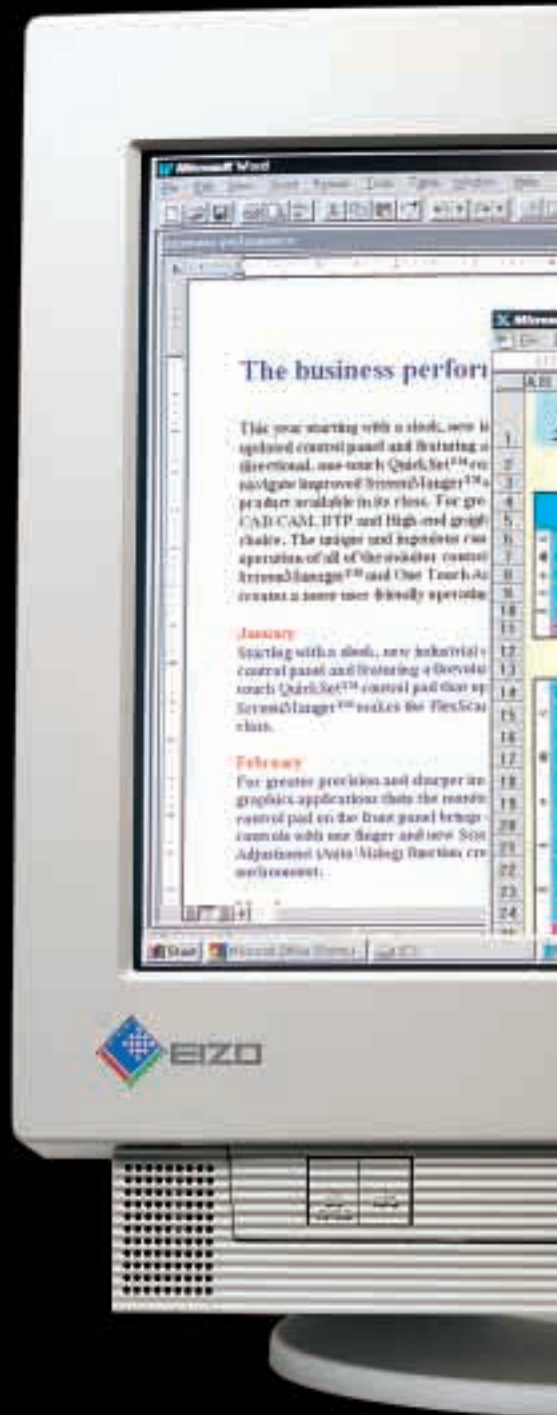
Various geometric distortions can considerably effect the screen image. EIZO monitors incorporate a newly designed circuit, enabling distortion to be more precisely controlled.

### Dynamic Feedback Circuit

EIZO monitors incorporate this sophisticated circuit to stabilize the screen image, without causing any fluctuation to the brightness level, providing ergonomic viewing comfort for everyday work. Suitable for GUI environments, when switching windows or down-sizing applications. Changes from screen to screen are done smoothly.

### Digital Convergence

EIZO's Digital Convergence is an advanced technology which digitally optimizes convergence, and thereby, maximizes viewing comfort and reduces eye-fatigue. The Digital Convergence feature digitally eliminates convergence errors through the adjustment up to 256 squares over the entire screen for precise images, even in the corners. Digital Convergence is incorporated into the F77, F78 and T67S.



# User Friendly Features

## ScreenManager™ & QuickSet™ Control Pad

The entire range of EIZO monitors contain a window formatted, full-featured ScreenManager with animated icons which is now more attractive, more illustrative and easier to use. Controlled through a unique multi-functional QuickSet Control Pad, it is possible to navigate the adjustment functions and adjust the displayed image using only the tip of your finger.



## Some of the functional features are ...

### Input Priority Switch

EIZO monitors have two video input terminals\* (D-Sub mini 15-pin & BNC × 5) and now offer an industry first priority switch system. This allows users to select the priority for either input terminal. Giving priority to either the BNC or D-Sub input terminal, the monitor automatically switches to the desired input terminal whenever the video signal is detected.

\* The F35 has only one input terminal.

## Precise Geometry Adjustment

EIZO monitors offer the most advanced, precise, user friendly screen and image controls possible, so that users can create a finely adjusted screen image. Direct access to several image adjustable parameters can be made through the ScreenManager.



## Color Management

Extensive color control is an essential function of monitors nowadays. But, proper adjustment has always been complex. To simplify the adjustment of color, EIZO has incorporated a sophisticated and practical color control system. Users can freely adjust the color temperature between 4,000K ~ 10,000K (in 500K increments including industry standard 9,300K). And for professionals, a custom-mode is also reserved for more exact color adjustments.



## One Touch Auto Adjustment (Auto-Sizing)

A unique usability feature from EIZO is the One Touch Auto Adjustment (Auto-Sizing) function. By pressing the Auto button on the front panel, the position and size of the screen are automatically and precisely adjusted, eliminating the need for preset timings. This allows the user to maximize the optimum screen setting in the shortest amount of time.



## Plug & Play (DDC1/2B)

All EIZO monitors support DDC 1/DDC 2B for Plug & Play compatibility with hardware and operating systems. A monitor data file is also provided on a floppy disk to assist with Plug & Play operation.

## Ecology and Ergonomics

### Environmental Concerns

EIZO is devoting tremendous efforts to design environmentally sound computer display monitors. In accordance with this policy, EIZO has obtained the strictest environmentally related label, TCO 95, for its entire range of CRT monitors.

To accomplish our environmental goals, EIZO is continually working to develop a completely environmentally safe manufacturing process. EIZO manufactured products have reduced emissions and do not contain CFCs, cadmium, mercury or bromides, which make our products easier to recycle and less harmful to the environment. EIZO packaging is also recyclable and our user manuals are made without the use of chlorine bleach.

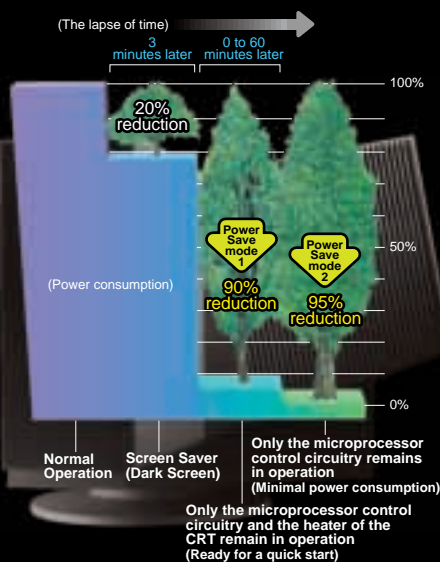
In conjunction with EIZO's policy to follow leading safety standards, all monitors have been awarded the CE certification for EMC (electric magnetic compatibility) safe electrical circuitry.



\* The F35, F55, F56, F77, T57S and T67S are certified under EN50082-1: 1992, EN55022: 1994, EN61000-3-2: 1995, EN61000-3-3: 1995

### PowerManager™

PowerManager is EIZO's original power saving system. PowerManager lowers power consumption by as much as 95% of the total power normally consumed by a monitor. Thereby, conserving energy and reducing operating costs. All monitors comply with NUTEK, VESA DPMS and EPA Energy Star power saving standards.



### Optional Multimedia Package

#### i-Sound™ Speaker Unit

EIZO offers an optional speaker attachment, the i-Sound unit to enhance multimedia applications. The i-Sound unit is designed in line with the spirit of the cabinet and is easily attached to the entire range of EIZO monitors. It is equipped with two speakers powered directly from the monitor and a microphone. Several external jacks are provided for headphones, a headset, CD or tape players.

\* For details on this separately sold unit, please contact the authorized EIZO distributor near you.



*At EIZO, we are not only concerned with our work environment, but we also take tremendous pride in our commitment to the global environment.*



## Features & Specifications

### FlexScan® F78

The specifications and sophisticated features of the F78 make it our most powerful and technically advanced monitor. With a 0.26 mm dot pitch and a horizontal scanning frequency of 110 kHz, it is perfect for high-end use where sharp, precise images are required.

### FlexScan® F77

The F77 is built with performance specifications for high-end image processing applications. We recommend a resolution of 1280 × 1024 at the high refresh rate of 85 Hz (1600 × 1200 @ 75Hz) for impressive image quality.

CRT Size	55 cm (21") class, 90° deflection Invar Shadow Mask	55 cm (21") class, 90° deflection Invar Shadow Mask
CRT Trio Pitch	0.26 mm (Dot)	0.28 mm (Dot)
CRT Surface Treatment	SuperErgoCoat™	SuperErgoCoat™
Scanning Frequency	H: 30 - 110 kHz V: 50 - 160 Hz	H: 30 - 95 kHz V: 50 - 160 Hz
Input Signals	RGB Analog	RGB Analog
Input Terminal	D-Sub 13W3 and BNC × 5 (switchable)	D-Sub mini 15-pin and BNC × 5 (switchable)
Active Display Size	402 mm (H) × 300 mm (V)	402 mm (H) × 300 mm (V)
Viewable Image Size	Diagonal: 501 mm	Diagonal: 501 mm
Recommend Resolution	1600 dots × 1200 lines, flicker-free @ 87 Hz (max.) (1600 dots × 1280 lines @ 82 Hz capability)	1280 dots × 1024 lines, flicker-free @ 88 Hz (max.) (1600 dots × 1200 lines @ 75 Hz capability)
Screen Control	ScreenManager™ One Touch Auto Adjustment Function (Auto-Sizing)	ScreenManager™ One Touch Auto Adjustment Function (Auto-Sizing)
Power Management	VESA DPMS and Swedish NUTEK compliant	VESA DPMS and Swedish NUTEK compliant
Power Consumption	195 W	145 W
Power Save Mode 1	Less than 10 W	Less than 10 W
Mode 2 (Off)	Less than 5 W	Less than 5 W
Plug & Play	DDC 1/2B	DDC 1/2B
Dimensions	494 mm (W) × 486 mm (H) × 520 mm (D)	494 mm (W) × 486 mm (H) × 520 mm (D)
Net Weight	31.5 kg	31.5 kg
Safety Standards	TÜV/GS, CB, CE Mark	TÜV/GS, CB, CE Mark
Ergonomic/Environmental Standards	TÜV Rheinland/Ergonomie Geprüft (including ISO9241-3, ISO 9241-8 and MPR-II), EPA Energy Star Program, TCO 95	TÜV Rheinland/Ergonomie Geprüft (including ISO9241-3, ISO 9241-8 and MPR-II), EPA Energy Star Program, TCO 95





## FlexScan® T67S

The T67S features a Tension Mask (Aperture Grill) 0.25 mm CRT which delivers a superior contrast and brightness level to the displayed image. The T67S provides a high performance level for graphics and DTP applications.

---

53 cm (20") class, 90° deflection  
Tension Mask  
0.25 mm (Aperture Grill)  
ErgoPanel™  
H: 30 - 95 kHz V: 50 - 160 Hz  
RGB Analog  
D-Sub mini 15-pin and BNC × 5 (switchable)  
384 mm (H) × 288 mm (V)  
Diagonal: 480 mm  
1280 dots × 1024 lines, flicker-free @ 88 Hz  
(max.) (1600 dots × 1200 lines @ 75 Hz  
capability)  
ScreenManager™  
One Touch Auto Adjustment Function  
(Auto-Sizing)  
VESA DPMS and Swedish NUTEK compliant  
145 W  
Less than 10 W  
Less than 5 W  
DDC 1/2B  
494 mm (W) × 486 mm (H) × 520 mm (D)  
33 kg  
TÜV/GS, CB, CE Mark  
TÜV Rheinland/Ergonomie Geprüft  
(including ISO9241-3, ISO 9241-8 and  
MPR-II), EPA Energy Star Program, TCO 95

---



## FlexScan® T57S

The T57S provides yet another solution for high contrast, sharp focus and realistic color. The T57S uses a 0.25 mm Tension Mask (Aperture Grill) CRT which is suitable for high-end graphics, CAD/CAM and DTP work.

---

45 cm (17") class, 90° deflection  
Tension Mask  
0.25 mm (Aperture Grill)  
SuperErgoCoat™  
H: 30 - 92 kHz V: 50 - 160 Hz  
RGB Analog  
D-Sub mini 15-pin and BNC × 5 (switchable)  
326 mm (H) × 241 mm (V)  
Diagonal: 405 mm  
1280 dots × 1024 lines, flicker-free @ 85 Hz  
(max.)  
ScreenManager™  
One Touch Auto Adjustment Function  
(Auto-Sizing)  
VESA DPMS and Swedish NUTEK compliant  
130 W  
Less than 10 W  
Less than 5 W  
DDC 1/2B  
410 mm (W) × 413 mm (H) × 468 mm (D)  
21 kg  
TÜV/GS, CB, CE Mark  
TÜV Rheinland/Ergonomie Geprüft  
(including ISO9241-3, ISO 9241-8 and  
MPR-II), EPA Energy Star Program, TCO 95

---



## FlexScan® F56

The F56 provides excellence for high-end business use and demanding applications. The recommended resolution of 1280 × 1024 at the high refresh rate of 80 Hz delivers a superior, flicker-free image.

---

45 cm (17") class, 90° deflection  
Invar Shadow Mask  
0.26 mm (Dot)  
SuperErgoCoat™  
H: 27 - 86 kHz V: 50 - 160 Hz  
RGB Analog  
D-Sub mini 15-pin and BNC × 5 (switchable)  
319 mm (H) × 239 mm (V)  
Diagonal: 398 mm  
1280 dots × 1024 lines, flicker-free @ 80 Hz  
(max.)  
ScreenManager™  
One Touch Auto Adjustment Function  
(Auto-Sizing)  
VESA DPMS and Swedish NUTEK compliant  
100 W  
Less than 10 W  
Less than 5 W  
DDC 1/2B  
410 mm (W) × 413 mm (H) × 439 mm (D)  
19.5 kg  
TÜV/GS, CB, CE Mark  
TÜV Rheinland/Ergonomie Geprüft  
(including ISO9241-3, ISO 9241-8 and  
MPR-II), EPA Energy Star Program, TCO 95

---



## Features & Specifications

### FlexScan® F55

For a powerful solution for everyday business graphics and DTP, the efficient F55 is the monitor of choice. The F55 provides a large active window that is clear and sharp at a flicker-free resolution of 1024 × 768 at a high refresh rate of 86 Hz.

### FlexScan® F35

The F35 incorporates a newly developed mini-neck CRT, which allows for a reduction in power consumption and emissions while achieving an extraordinary focus level. This compact 15 inch monitor is perfect for word processing and spreadsheet applications.

CRT Size	45 cm (17") class, 90° deflection Invar Shadow Mask	39 cm (15") class, 90° deflection Invar Shadow Mask
CRT Trio Pitch	0.28 mm (Dot)	0.28 mm (Dot)
CRT Surface Treatment	SuperErgoCoat™	SuperErgoCoat™
Scanning Frequency	H: 27 - 70 kHz V: 50 - 120 Hz	H: 27 - 70 kHz V: 50 - 120 Hz
Input Signals	RGB Analog	RGB Analog
Input Terminal	D-Sub mini 15-pin and BNC × 5 (switchable)	D-Sub mini 15-pin captive
Active Display Size	319 mm (H) × 239 mm (V)	280 mm (H) × 210 mm (V)
Viewable Image Size	Diagonal: 398 mm	Diagonal: 350 mm
Recommend Resolution	1024 dots × 768 lines, flicker-free @ 86 Hz (max.)	1024 dots × 768 lines, flicker-free @ 86 Hz (max.)
Screen Control	ScreenManager™ One Touch Auto Adjustment Function (Auto-Sizing)	ScreenManager™ One Touch Auto Adjustment Function (Auto-Sizing)
Power Management	VESA DPMS and Swedish NUTEK compliant	VESA DPMS and Swedish NUTEK compliant
Power Consumption	95 W	82 W
Power Save Mode 1	Less than 10 W	Less than 10 W
Mode 2 (Off)	Less than 5 W	Less than 5 W
Plug & Play	DDC 1/2B	DDC 1/2B
Dimensions	410 mm (W) × 413 mm (H) × 439 mm (D)	365 mm (W) × 375 mm (H) × 410 mm (D)
Net Weight	19.5 kg	14.5 kg
Safety Standards	TÜV/GS, CB, CE Mark	TÜV/GS CB, CE Mark
Ergonomic/Environmental Standards	TÜV Rheinland/Ergonomie Geprüft (including ISO9241-3, ISO 9241-8 and MPR-II), EPA Energy Star Program, TCO 95	TÜV Rheinland/Ergonomie Geprüft (including ISO9241-3, ISO 9241-8 and MPR-II), EPA Energy Star Program, TCO 95

# Color LCD Monitor

EIZO's expertise in digital and display circuit design has led us to develop another quality, reliable monitor for the flat-panel LCD desktop market that can proudly carry the EIZO name.

The L23 is a 13.8-inch TFT active-matrix color LCD monitor which has a 140° degree wide viewing angle. The L23 has a standard PC compatible interface that supports a wide range of standard input signals and a resolution of 1024 × 768 with a high brightness level of 200cd/m<sup>2</sup>.

The L23, implements EIZO's original D<sup>3</sup> technology for superior image quality. D<sup>3</sup> technology includes:

- Digital Signal Processing for high contrast and full color control
- Digital Image Control for high brightness and interpolation control
- Digital FlexScan for a distortion free image and accurate signal input control

Ergonomic issues have increasingly been important factors in the design of the L23 and so it incorporates thin, light, space saving and energy saving advantages.

The FlexScan L23 also features two video input terminals (2 × D-Sub mini 15-pin). The EIZO unique priority switch system allows the user to assign priority to either input terminal.

The superior image quality, high brightness capability and ergonomic design of the L23 represents EIZO's leading innovation in the flat-panel monitor market.



## Specifications

LCD Panel	35 cm (13.8") TFT Color LCD Panel
Dot Pitch	0.273 mm
Display Color	260,000 colors (16 million colors with FRC Circuitry)
Viewing Angle	Horizontal: 140° Vertical: 110°
Scanning Frequency	Horizontal: 30 - 50 kHz Vertical: 55 - 85 Hz (Up to 60 Hz at 1024 × 768 mode)
Input Signals	RGB Analog
Input Terminal	D-Sub mini 15 pin × 2
Active Display Size	279.5 mm × 209.6 mm
Viewable Image Size	Diagonal: 349 mm
Recommend Resolution	1024 dots × 768 lines
Plug & Play	VESA DDC 1/2B
ScreenControl	ScreenManager™, One Touch Auto Adjustment Function
Power Management	VESA DPMS and Swedish NUTEK compliant
Power Consumption	30 W (Typical, Normal Operation)
Power Save Mode 1	Less than 15 W
Mode 2 (Off)	Less than 5 W
Dimensions	360 mm (W) × 376 mm (H) × 164 mm (D)
Net Weight	5.5 kg
Safety Standards	TÜV/GS, CB, CE Mark
Ergonomic/Environmental Standards	TÜV Rheinland/Ergonomie Geprüft (including ISO9241-3, ISO 9241-8 and MPR-II), EPA Energy Star Program, TCO 1992*

## FlexScan® L23

\* TCO 95 LCD guidelines are under development.

# Advanced Features



F78	●	●	●	●	●	●	●	●	●	●	●	●	●	●	○	○	●	●	●	●
F77	●	●	●	●	●	●	●	●	●	●	●	●	●	●	○	○	●	●	●	●
T67S	●	●	●	●	●	●	●	●	●	●	●	●	●	●	○	○	●	●	●	●
T57S	●	●	●	●	●	●	●	●	●	●	●	●	●	●	○	○	●	●	●	●
F56	●	●	●	●	●	●	●	●	●	●	●	●	●	●	○	○	●	●	●	●
F55	●	●	●	●	●	●	●	●	●	●	●	●	●	●	○	○	●	●	●	●
F35	●	●	●	●	●	●	●	●	●	●	●	●	●	●	○	○	●	●	●	●
L23	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

○ Option

Anti-Static Electricity	Input Priority	Dynamic Beam Spot Control System	TÜV Rheinland/Ergonomie Geprüft (including ISO 9241-3, ISO 9241-8 and MPR-II)
Non-Interference	Precise Geometry Adjustment	WideView	Conforms to the requirements of EPA Energy Star Program
SuperErgoCoat (High Performance Anti-Reflective coating)	One Touch Auto Adjustment Function	PowerManager	CE Mark
ErgoPanel (Anti-Reflective bonded panel)	Digital Convergence	i-Sound	TCO 95
Dynamic Feedback Circuit	White Uniformity	ScreenManager Pro Screen Control Software	TCO 1992
ScreenManager On Screen Display Control	Windows 95 Plug & Play Support		

## i-Sound™ Sound Unit



Speaker Unit	4 cm × 2.8 cm (2 oval designed speakers)
Speaker System	Full range bass reflex
Amplifier Output	1 W per channel
Frequency Response	200 - 20,000 Hz
Microphone	Non-directional
Power Source	DC 6V
Audio Signal Input Terminal	LINE 1 (Stereo mini jack) and LINE 2 (Stereo mini jack)
Audio Signal Output Terminal	MIC OUT (Stereo mini jack) and HEADPHONE (Stereo mini jack)
Dimensions	337 mm (W) × 53.5 mm (H) × 132 mm (D)
Net Weight	320 g
Accessory	Stereo mini jack cable (2,100 mm)

\* i-Sound is compatible with all EIZO CRT monitors in this brochure.



**EIZO CORPORATION**  
655 Fukudome, Matto, Ishikawa 924 Japan  
Phone: 0762-77-3310 Fax: 0762-77-3450

<http://www.eizo.co.jp/welcome>

Specifications are subject to change without notice.

All product names are trademarks of their respective companies. ErgoCoat, ErgoPanel, QuickSet, ScreenManager, PowerManager, i-Sound and WideView are trademarks, and FlexScan and EIZO are registered trademarks of EIZO CORPORATION.

Chlorine Free

(970301) Printed in Japan, 3, 1997, 15K