



Philips  
CRT monitor with  
LightFrame™

19"

real flat UXGA

109B63



## superb computainment display, lead-free design

With LightFrame™ for the best-ever sharpness and brightness, high resolution UXGA performance, a big screen that displays more without scrolling and lead-free design, this 109B6 CRT monitor delivers an exciting computainment experience.

### Outstanding front of screen performance

- LightFrame™ delivers best-ever sharpness and brightness
- UXGA, 1600x1200 resolution for sharper display
- Easy-on-the-eyes high-bright, high-contrast tube
- Real flat CRT for natural, distortion and glare-free display
- sRGB ensures color matching between display and printouts

### Great convenience

- Compatibility with PC, Mac and workstation platforms
- Quick and easy to personalize On-Screen-Display control
- Display more images and content without scrolling

### Green design

- Lead-free design safeguards our environment
- Lower power consumption than the industry average
- TCO'03 guarantees the highest safety and ergonomic standards
- Environmentally responsible Energy Star partner

**PHILIPS**

sense and simplicity

## Specifications

### Picture/Display

- **Display screen type:** Real Flat picture tube
- **Dot pitch:** 0.25 mm
- **Factory Preload Modes:** 24 modes
- **Factory Preset Mode:** 1024 x 768 @ 85 Hz, 1152 x 864 @ 70 Hz, 1280 x 1024 @ 75 Hz, 1280 x 1024 @ 85 Hz, 1600 x 1200 @ 75 Hz, 640 x 480 @ 85Hz, 720 x 400 @ 70 Hz, 800 x 600 @ 85 Hz
- **Factory Preset Modes:** 8 modes
- **GTF**
- **Dot Pitch (horizontal):** 0.21 mm
- **Horizontal Scanning Frequency:** 30 - 97 kHz
- **LightFrame™**
- **Maximum Resolution:** 1920 x 1440 @ 64 Hz
- **Panel Size:** 19" / 46 cm
- **Phosphor:** P22
- **Recommended Display Area(inch):** 14" x 10.4"
- **Recommended display area(mm):** 355 x 265 mm
- **Recommended Refresh Rate:** 75 Hz
- **Recommended Resolution:** 1600 x 1200 @ 75 Hz
- **Screen enhancement:** Anti-glare Polarizer, Anti-Reflection, Anti-Static, High Brightness, High Contrast
- **sRGB**
- **Vertical Scanning Frequency:** 50 - 160 Hz
- **Video Dot Rate:** 250 MHz
- **White Chromaticity, 5500K:** x = 0.332 / y = 0.347
- **White Chromaticity, 6500K:** x = 0.313 / y = 0.329
- **White Chromaticity, 9300K:** x = 0.283 / y = 0.297

### Connectivity

- **Cable Connection:** AC Power in
- **Cables:** D-sub Video Cable, Power Cord
- **Sync input impedance:** 2.2k ohm
- **Video input impedance:** 75 ohm
- **Video input signal levels:** 0.7 Vpp
- **Video Sync Input Signal:** Composite Sync, Separate

- **Sync, Sync on Green**
- **Video Sync Polarities:** Positive and Negative

### Convenience

- **Convenience Enhancements:** Menu Languages, On-screen Display
- **Monitor Controls:** Brightness Control, Contrast Control, Left/Right, LightFrame, Menu, Power On/Off, Up/Down
- **OSD Languages:** English, French, German, Italian, Korean, Portuguese, Simplified Chinese, Spanish
- **Plug & Play Compatibility:** DDC 2B, sRGB, Windows 98/ME/2000/XP
- **Regulatory Approvals:** BSMI, C-Tick, CE Mark, E2000, FCC-B, UL, CSA, FDA, GOST, NUTEK, Energy Star, SEMKO, TCO '03, TÜV/GS, TÜV Ergo
- **Swivel:** +/- 90°
- **Tilt:** -5° to 25°

### Accessories

- **Included Accessories:** AC Power Cord
- User Manual

### Dimensions

- **Dimensions (with base) (W x H x D):** 440 x 433 x 449 mm
- **Temperature range (operation):** 0°C to 35°C
- **Temperature range (storage):** -25°C to 65°C
- **Weight:** 20 kg

### Power

- **Complies with:** E2000, Energy Star, NUTEK
- **Consumption:** 70 W (Typical)
- **Off Mode:** 1 W
- **Power LED indicator:** Off - Amber, Operation - green
- **Power supply:** Built-in

## Product highlights

### LightFrame™

An intelligent and revolutionary technology for enhancing monitor's brightness, sharpness, contrast, and color. Images enhanced by LightFrame™ are lively, realistic, clear, attractive and colorful.

### UXGA, 1600 x 1200 resolution

For graphics monitors, the screen resolution signifies the number of dots (pixels) on the entire screen. For example, a 1600-by-1200 pixel screen is capable of displaying 1600 distinct dots on each of 1200 lines, or about 2 million pixels. This ensures a better display performance and accurate color display effect.

### High-bright-high-contrast tube

A CRT tube designed to increase display brightness and contrast by increasing the CRT ray gun's beam current.

### Real flat CRT display

Philips advanced flat CRT technology reduces glare and reflection more efficiently than a conventional CRT. The special high-bright, high-contrast shadow mask helps maintain sharper focus and eliminates 'color blooming' compared to standard tubes. It displays images on a monitor that look like images on paper: Viewing the image is more comfortable. Straight lines are straight. Finding a reflection-free viewing position is much easier. This adds up to reduced eyestrain for a comfortable viewing experience.

### sRGB ready

sRGB is an industry standard that ensures the best possible match between the colors displayed on your screen and those in your printouts.

### Platform compatibility

The ability to work with a variety of platforms; Philips monitors are compatible to connect with PCs and workstation by employing a VGA connection and connect with Macintosh.

### OSD On-Screen-Display control

An on-screen panel for adjusting a monitor. The OSD is used for contrast, brightness, horizontal, vertical positioning and other monitor adjustments.

### Large viewing area

Viewing area is the visible portion of a monitor screen available for displaying data.

### Lead-free

Lead-free display products are designed and produced in compliance with strict European Community Restriction of Hazardous Substances (RoHS) standards that restrict lead and other toxic substances that can harm the environment.

### Energy efficiency

Reduction of the electrical power required to operate a device to achieve real savings.

### TCO '03 compliance

A TCO (Swedish Confederation of Professional Employees) standard even more stringent than MPR-II for safety and ergonomics, especially concerning alternating electric fields (AEF).

### Energy Star partner

A manufacturer in compliance with power conservation requirements set forth by the Environmental Protection Agency of the U.S. government.



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