

Philips Brilliance  
LCD monitor

56 cm (22") w X-line



220X1SW

## For your eyes only!

Reduce eye fatigue with Innovative Lightframe LCD

Delivering unique vision-friendly, fatigue-reducing viewing for the whole family plus elegant, eye-catching style, Lightframe LCDs are a feast for the eyes, designed for people who spend long hours working in front of a computer screen.

### A pure treat for your eyes

- Fast response time up to 2ms
- SmartContrast 30000:1 for incredible rich black details
- DVI-D input and HDCP support

### Designed for your convenience

- Dual input accepts both analog VGA and digital DVI signals
- One-touch format switching between wide and 4:3 ratios
- USB port for convenient peripheral connections

### Amazing viewing experience free from eye-fatigue

- Reduce your eye fatigue with innovative lighting technology
- SmartImage: Optimized user-friendly display experience
- TrueVision: Laboratory quality display performance
- Glossy piano white finish design to enhance your home decor

# PHILIPS

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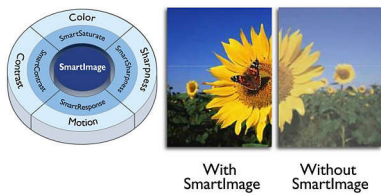
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# Highlights

## LightFrame™

Lightframe is Philips LCD technology triggered by turning on the Lightframe to reduce eyestrain by surrounding your monitor frame with blue light that stimulates your visual senses for improved concentration and promotes an overall feeling of well-being.

## SmartImage



SmartImage is an exclusive leading edge Philips technology that analyzes the content displayed on your screen and gives you optimized display performance. This user friendly interface allows you to select various modes like Office, Image, Entertainment, Economy etc., to fit the application in use. Based on the selection, SmartImage dynamically optimizes the contrast, color saturation and sharpness of images and videos for ultimate display performance. The Economy mode option offers you major power savings. All in real time with the press of a single button!

## TrueVision



TrueVision is industry-leading, proprietary Philips testing and algorithm technology for monitor adjustment and fine tuning, an extensive process that ensures ultimate display performance in compliance with a standard

four-times more stringent than Microsoft's Vista requirements from each and every monitor that leaves the factory - not just a few review samples. Only Philips goes to these lengths to deliver this exacting level of color accuracy and display quality in every new monitor.

## SmartContrast ratio 30000:1



You want the LCD flat display with the highest contrast and most vibrant images. Philips advanced video processing combined with unique extreme dimming and backlight boosting technology results in vibrant images. SmartContrast will increase the contrast with excellent blacklevel and accurate rendition of dark shades and colors. It gives a bright, lifelike picture with high contrast and vibrant colors

## 2ms GtG response time



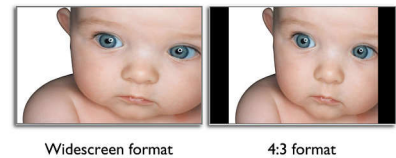
SmartResponse is an exclusive Philips overdrive technology that when turned on, automatically adjusts response times to specific application requirements like gaming and movies which require faster response times in order to produce judder, time-lag and ghost image free images

## Dual input



Dual input provides connectors to accommodate input of both analog VGA and digital DVI signals.

## Auto picture format button



Philips auto picture format is a button that switches from the 4:3 aspect ratio to the widescreen mode and back again to match the display's aspect ratio with your content for working with wide documents without scrolling or viewing widescreen media in the widescreen mode and distortion-free, native mode display of 4:3 ratio content.

## Glossy piano white finish

An attractive, elegantly finished piano white finish that fits in with and complements your decor.

## HDCP ready

High-Bandwidth Digital Content Protection (HDCP) is a copyright protection system that is incorporated into the DVI connector. It helps stop unauthorized duplication of copyrighted content. HDCP allows you to play protected content media such as movies and concerts. It checks the signal to prevent piracy, allowing only legal copies of content to display.



# Specifications

## Connectivity

- Signal Input: VGA (Analog ), DVI-D
- USB: USB 2.0 x 1
- Sync Input: Separate Sync, Sync on Green

## Picture/Display

- Panel Size: 22 inch / 55.9 cm
- Aspect ratio: 16:10
- LCD panel type: 1680 x 1050 pixels, Anti-glare polarizer, RGB vertical stripe
- Pixel pitch: 0.282 x 0.282 mm
- Optimum resolution: 1680 x 1050 @ 60Hz
- Brightness: 250 cd/m<sup>2</sup>
- Display colors: 16.7 M
- Contrast ratio (typical): 1000:1
- SmartContrast: 30000:1
- Response time (typical): 5 ms
- Viewing angle: 160° (H) / 160° (V), @ C/R &gt; 10
- Picture enhancement: SmartImage
- SmartResponse: 2 ms (Gray to Gray)
- Scanning Frequency: 30 - 83 kHz (H) / 56 - 75 Hz (V)
- sRGB

## Convenience

- Plug & Play Compatibility: DDC/CI, Windows 98/2000/XP/Vista, sRGB
- User convenience: SmartImage, SmartControl II, Picture format selection, LightFrame, Menu, Input, Auto, Power On/Off
- OSD Languages: English, French, German, Italian, Russian, Simplified Chinese, Spanish, Portuguese
- Other convenience: Kensington lock

## Stand

- Tilt: -5/20 degree

## Power

- ECO mode: <math>\leq 17.5W</math>
- Power supply: Built-in, 100-240VAC, 50/60Hz
- Off mode: <math>\leq 0.5 W</math>
- On mode: <math>\leq 20W</math> (EnergyStar 5.0 test method)
- Power LED indicator: Operation - Blue, Stand by/sleep -blue(blinking)

## Dimensions

- Product with stand (mm): 429 x 517 x 201 mm
- Packaging in mm (WxHxD): 570 x 482 x 134 mm
- Product without stand (mm): 350 x 517 x 74 mm

## Weight

- Product with packaging (kg): 6.46 kg
- Product with stand (kg): 4.88 kg
- Product without stand (kg): 4.53 kg

## Operating conditions

- Temperature range (operation): 0°C to 40°C °C
- MTBF: 50,000 hour(s)
- Relative humidity: 20%-80 %
- Temperature range (storage): -20°C to 60°C °C

## Sustainability

- Environmental and energy: EPEAT Silver, RoHS, EnergyStar 5.0

## Compliance and standards

- Regulatory Approvals: CE Mark, SEMKO

## Cabinet

- Color: White

