



Philips Brilliance  
LCD monitor with Pivot  
base, USB, Audio

56 cm (22") w P-line  
Format 16:10

220P1ES

## Professional ergonomic display boosts productivity

With advanced ergonomics and enhanced features like SmartImage, Smart Ergo Base, Front Stereo Audio and USB port, the 220P1 business display boosts your productivity

### **Sustainable Eco-friendly solution**

- Eco-friendly materials that meets international standards
- EPEAT Silver ensures lower impact on environment
- Energy Star for energy efficiency and low power consumption

### **Outstanding display performance**

- SmartImage: Optimized user-friendly display experience
- Hassle-free display performance tuning with SmartControl II
- TrueVision: Laboratory quality display performance

### **Ergonomic design**

- 130mm height adjustment for ideal sitting position
- 90 degree screen rotation and smart cable management
- Tilt and swivel adjustment for an ideal viewing angle

### **Great convenience**

- USB port to enhance multimedia experience
- Built in stereo audio for multimedia experience

# PHILIPS

LCD monitor with Pivot base, USB, Audio  
56 cm (22") w P-line Format 16:10

220P1ES/00

# Highlights

## Built-in stereo audio

A pair of high quality stereo speakers built into a display device. It can be visible front firing, or invisible down firing, top firing, rear firing, etc depending on model and design.

## USB port for multimedia



The universal serial bus or USB is a standard protocol for linking PCs and peripherals. Because it delivers high speed at a low cost, USB has become the most popular method for connecting peripheral devices to a computer. A port located on a monitor directly in the user's line of sight provides easy, high-speed connectivity for USB devices at a convenient location. (USB 2.0 support is dependent on your PC's USB configuration; when connected to a PC that supports USB 2.0, your monitor is USB 2.0 compatible)

## 130mm height adjustment

The Super Ergo Base is a 'people friendly' Philips monitor base that not only tilts and swivels, but is also height adjustable and pivots to 90 degree, so that each user can adjust the monitor to their personal preference for maximum viewing comfort and efficiency.

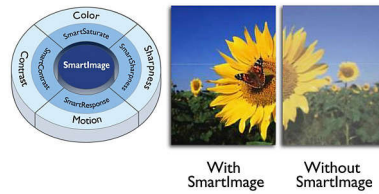
## Screen tilt and swivel

Screen tilt and swivel is a mechanism built into the base permits the monitor to swivel and tilt backward or forward.

## ScreenRotate

ScreenRotate makes it possible to use a monitor in either the landscape and portrait mode; to change orientation for a better view of a selected document or image, the monitor is rotated to the desired orientation.

## 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!

## EPEAT Silver

Philips EPEAT Silver certified monitors ensure protection for human health and environment, and are highly energy efficient ensuring low emissions of climate changing green house gases. EPEAT program helps purchasers evaluate, compare and select Monitors based on 51 environmental criteria supported by US EPA. EPEAT Silver is valid only where Philips registers the product. Please visit [www.epeat.net](http://www.epeat.net) for registration status in your country.

## Eco-friendly materials

"Philips is committed to use sustainable, eco-friendly materials across its monitor range. All body plastic parts, metal chassis parts and packing materials use 100% recyclable materials. In some selected models we utilize upto 65% post consumer recycled plastics. Strict adherence to RoHS standards ensure substantial reduction or elimination of toxic substances like Lead, for example. Mercury content in monitors with CCFL backlight has been reduced significantly, while eliminated in monitors with LED backlight completely. Visit

Philips @ <http://www.asimpleswitch.com/global/> to learn more.

## Energy Star 5.0

Energy Star is a US EPA sponsored energy efficiency program also adopted by many other countries. Energy Star certification ensures that you are buying a product which meets the latest power efficiency standards which operates with maximum power efficiency at all operational levels. New Philips monitors are certified for Energy Star 5.0 specifications and meet or exceed the standard. For example, in sleep mode Energy Star 5.0 requires less than 1watt power consumption, whereas Philips monitors consume less than 0.5watts. Further details can be obtained from [www.energystar.gov](http://www.energystar.gov)

## 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.

## SmartControl II

SmartControl II is monitor-based software with an easy-to-use on-screen graphic interface that guides you through fine-tuning resolution, color calibration and other display settings including brightness, contrast, clock & phase, position, RGB, white point and - on models with onboard speakers - volume adjustments.



# Specifications

## Connectivity

- Signal Input: VGA (Analog ), DVI-D (digital, HDCP)
- USB: USB 2.0 x 1
- Sync Input: Separate Sync, Sync on Green
- Audio (In/Out): Stereo Audio

## Picture/Display

- Panel Size: 22 inch / 55.9 cm
- Aspect ratio: 16:10
- LCD panel type: TFT-LCD
- 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
- SmartContrast: 25000:1
- Response time (typical): 5 ms
- Viewing angle: 176° (H) / 170° (V), @ C/R > 5
- Picture enhancement: SmartImage
- Scanning Frequency: 30 - 83 kHz (H) / 56 - 75 Hz (V)
- sRGB

## Convenience

- Plug & Play Compatibility: DDC/CI, Mac OS X, Windows 7/Vista/XP/2000/98, sRGB
- Built-in Audio: 1.5 W x 2
- User convenience: SmartImage, Audio, Brightness, Menu, Auto, Power On/Off
- OSD Languages: English, French, German, Spanish, Italian, Russian, Simplified Chinese, Portuguese
- Other convenience: VESA mount (100x100mm), Kensington lock

## Stand

- Height adjustment: 130 mm
- Pivot: 90
- Swivel: -65/+65 degree
- Tilt: -5/20 degree

## Power

- ECO mode: <math>17.5\text{W}</math>
- Power supply: Built-in, 100-240VAC, 50/60Hz
- Off mode: <math>0.5\text{ W}</math>
- On mode: 21.38W (EnergyStar 5.0 test method)
- Standby mode: <math>0.5\text{ W}</math>
- Power LED indicator: Operation - White, Standby mode- White (blinking)

## Dimensions

- Product with stand (mm): 589 x 502 x 220 mm
- Packaging in mm (WxHxD): 410 x 658 x 272 mm
- Product without stand (mm): 346 x 502 x 58 mm

## Weight

- Product with packaging (kg): 7.58 kg
- Product with stand (kg): 6.47 kg
- Product without stand (kg): 4.15 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
- Recyclable packaging material: 100 %

## Compliance and standards

- Regulatory Approvals: BSMI, CE Mark, FCC, Class B, GOST, SEMKO, TCO 5.0, TUV/GS, TUV Ergo, UL/cUL

## Cabinet

- Color: Silver/Black
- Finish: Texture



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