



Philips Brilliance  
LCD monitor with Ergo  
base, USB, Audio

22" (55.9 cm) B-line  
WSXGA+

220B2CS

## Eco-friendly display for enhanced productivity

Eco-friendly, EPEAT Gold certified Philips 220B2 Business display with ZeroWatt switch, 0.1watt Soft off mode, Ergo Base, Stereo Audio and a USB Hub enhances your productivity

### Outstanding display performance

- SmartImage: Optimized user-friendly display experience

### Sustainable Eco-friendly solution

- EPEAT Gold ensures lowest impact on environment
- ZeroWatt switch 100% power saving
- Energy Star for energy efficiency and low power consumption
- 0.1 watt Soft-Off mode
- SmartPower: Up to 50% power saving

### Great convenience

- USB Hub with 2 ports for easy connections\*
- Stylish SmartTouch controls
- Built in stereo audio for multimedia experience

### Ergonomic design

- 70mm height adjustment for ideal sitting position
- Tilt and swivel adjustment for an ideal viewing angle

# PHILIPS

# 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.

## 70mm height adjustment

The Compact Ergo Base is a 'people friendly' Philips monitor base that tilts, swivels and is height adjustable so each user can position the monitor for maximum viewing comfort and efficiency.

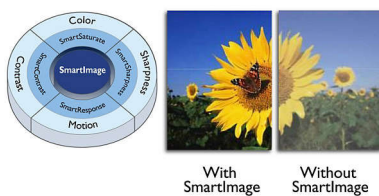
## Screen tilt and swivel

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

## 2 Ports USB 2.0 HUB

USB Hub allows user to conveniently connect their plug and play multimedia devices such as USB memory devices, camera, portable HDD, Web camera, PDA, Printer and many other devices which has USB connection available. The conveniently located USB 2.0 Hub on the monitor allows USB 2.0 signals to pass thru to the computer. Note that many devices like cameras and HDD may need to be powered On independently, as they have higher power requirements than the monitor USB Hub can provide.

## 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!

## SmartPower

SmartPower is an artificial intelligent technology which dynamically analyzes the content of the screen image to achieve power saving. The backlight intensity can be controlled automatically and pre-set by the system to reduce the power consumption by up to 50%, which saves substantially on energy costs

## Zero Switch

In line with Philips' commitment to "Sense and Simplicity" we enable you to make a responsible choice to switch OFF your monitor at any given time. At the touch of a single ON/OFF button which is conveniently located at the back of the monitor, the monitors' energy consumption is reduced to Zero. In the OFF mode, the monitor is completely cut off from AC power and thereby reducing your carbon footprint even further.

## 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)

## EPEAT Gold

Philips EPEAT GOLD 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. GOLD certification ensures that at least 30% of plastic used is Post Consumer Resin, which ensures reduction in use of toxic and hazardous materials. EPEAT Gold is valid only where Philips registers the product. Please visit [www.epeat.net](http://www.epeat.net) for registration status in your country.

## SmartTouch controls



SmartTouch controls are intelligent, touch sensitive icons that replace protruding buttons. Responding to your lightest touch, SmartTouch controls, for example, power up your monitor or brighten and sharpen your display with SmartImage Lite. When activated, SmartTouch icons glow to indicate that your commands have been implemented.

## 0.1 Watt Standby mode

0.1 watt Soft-Off mode



# Specifications

## Connectivity

- Signal Input: VGA (Analog), DVI-D (digital, HDCP)
- USB: USB 2.0 x 2
- 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: 500,000:1
- 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, Windows 7/ Vista/XP/2000/98, Mac OS X, sRGB
- Built-in Audio: 1.5Wx2
- User convenience: SmartPower, SmartImage, Volume, PowerSensor, Menu, Power On/Off
- OSD Languages: English, French, German, Spanish, Italian, Russian, Simplified Chinese, Portuguese
- Other convenience: VESA mount (100x100mm), Kensington lock

## Stand

- Height adjustment: 70 mm
- Swivel: -65/65 degree
- Tilt: -5/20 degree

## Power

- Power supply: Built-in, 100-240VAC, 50/60Hz
- Smart Power Mode: 15W (Min.)
- Off mode: 0 W (with Zero Power Switch)
- On mode: 22.5W (EnergyStar 5.0 test method)
- Standby mode: < 0.1 W
- Power LED indicator: Operation - White, Standby mode- White (blinking)

## Dimensions

- Product with stand (mm): 484 x 505 x 249 mm
- Packaging in mm (WxHxD): 468 x 565 x 175 mm
- Product without stand (mm): 351 x 505 x 59 mm

## Weight

- Product with packaging (kg): 6.92 kg
- Product with stand (kg): 5.17 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 Gold, EnergyStar 5.0, RoHS
- 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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