Philips Brilliance
LCD monitor with
PowerSensor

B Line
22 (21.5"/54.6 cm diag.)
1920 x 1080 (Full HD)

221B6LPCB

Crisp images, efficient performance

with PowerSensor saves energy

The Philips PowerSensor LED display using 85% post consumer recycled plastics and PVC, BFR-free housing is ideal for eco-friendly productivity

Excellent performance

- LED technology ensures natural colours
- Less eye fatigue with Flicker-Free technology
- SmartImage pre-sets for easy optimised image settings
- SmartContrast 20,000,000:1 for incredible rich black details

Designed for people

- Low bezel-to-table height for maximum reading comfort
- SmartErgoBase enables user-friendly ergonomic adjustments

Easy to experience

- USB Hub with four ports for easy connections
- Built-in stereo speakers for multimedia

Sustainable Eco-design

- PowerSensor saves up to 80% energy costs

PHILIPS

Highlights

LED technology

White LED's are solid state devices which light up to full, consistent brightness faster saving startup time. LED's are free from mercury content, which allows for eco-friendly recycling and disposal process. LED's allow for better dimming control of the LCD backlight, resulting in a super high contrast ratio. It also gives superior colour reproduction thanks to consistent brightness across the screen.

Flicker-Free technology

Due to the way brightness is controlled on LED-backlit screens, some users experience flicker on their screen which causes eye fatigue. Philips Flicker-Free technology applies a new solution to regulate brightness and reduce flicker for more comfortable viewing.
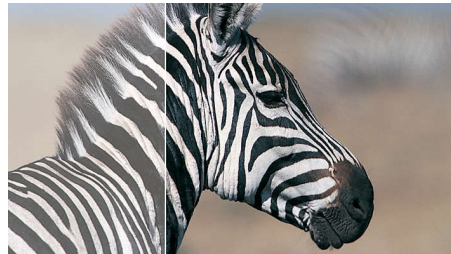
SmartImage

SmartImage is an exclusive leading edge Philips technology that analyses the content displayed on your screen and optimises your display performance. This user-friendly interface allows you to select various modes, like Office, Photo, Movie, Game, Economy etc., to fit the application in use. Based on the selection, SmartImage dynamically optimises the contrast, colour saturation and sharpness of images and videos for ultimate display performance. The Economy mode option offers you major power savings. All in real time at the touch of a single button!

SmartContrast ratio 20,000,000:1

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 black level and accurate rendition of dark shades and colours. It gives a bright, lifelike picture with high contrast and vibrant colours.

SmartErgoBase

The SmartErgoBase is a monitor base that delivers ergonomic display comfort and provides cable management. The base can swivel, tilt and rotate to various angles to ensure maximum comfort. The height-adjustable stand guarantees the optimal viewing level, reducing the physical strains of a long workday, while cable management reduces cable clutter and keeps the workspace neat and professional.

Low bezel-to-table height

Thanks to its advanced SmartErgoBase, the Philips monitor can be lowered down almost to desk level for a comfortable viewing angle. Low bezel-to-table height is the perfect solution if you use bifocals, trifocals or progressive lens glasses for your computing work. Additionally, it allows users of different heights to use the monitor at their preferred angle and height settings, helping them to reduce fatigue and strain.

Built-in stereo speakers

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

Four 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 have USB connection available. The conveniently located USB 2.0 Hub on the monitor allows USB 2.0 signals to pass through 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.

LED   Flicker-free   SmartImage™   20,000,000:1 SmartContrast   SmartErgo Base   Built-in Speaker   USB 4x   PowerSensor   Zero Power Switch

Specifications

Connectivity
- Signal Input: DVI-D (digital, HDCP), VGA (Analogue)
- USB: USB 2.0 x 4
- Sync Input: Separate Sync, Sync on Green
- Audio (In/Out): PC audio-in, Headphone out

Picture/Display
- Panel Size: 21.5 inch/54.6 cm
- Aspect ratio: 16:9
- LCD panel type: TFT-LCD
- Backlight type: W-LED system
- Pixel pitch: 0.248 x 0.248 mm
- Optimum resolution: 1920 x 1080 @ 60 Hz
- Brightness: 250 cd/m²
- Display colours: 16.7 M
- Contrast ratio (typical): 1000:1
- SmartContrast: 20,000,000:1
- Response time (typical): 5 ms
- Viewing angle: 170° (H)/160° (V), @ C/R > 10
- Picture enhancement: SmartImage
- Effective viewing area: 476.64 (H) x 268.11 (V)
- Scanning Frequency: 30 - 83 kHz (H) / 56 - 76 Hz (V)
- sRGB

Convenience
- Built-in Speakers: 2 W x 2
- Plug and Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 10 / 8.1 / 8 / 7
- User convenience: SmartImage, Volume, PowerSensor, Menu, Power On/Off
- OSD Languages: Brazil Portuguese, Czech, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese, Turkish, Ukrainian
- Other convenience: Kensington lock, VESA mount (100 x 100 mm)
- Control software: SmartControl

Stand
- Height adjustment: 110 mm
- Pivot: 90 degree
- Swivel: -75/+75 degree
- Tilt: -5/20 degree

Power
- ECO mode: 11.01 W (typ.)
- Power supply: Built-in, 100–240 VAC, 50–60 Hz
- Off mode: Zero watts with AC switch
- On mode: 15.1 W (typ.) (EnergyStar 7.0 test method)
- Standby mode: < 0.3 W (typ.)
- Power LED indicator: Operation - White, Standby mode - White (flashing)

Dimensions
- Packaging in mm (W x H x D): 565 x 422 x 184 mm
- Product without stand (mm): 511 x 319 x 52 mm
- Product with stand (max height): 511 x 483 x 227 mm

Weight
- Product with packaging (kg): 6.61 kg
- Product with stand (kg): 4.83 kg
- Product without stand (kg): 2.99 kg

Operating conditions
- Altitude: Operation: +12,000 ft (3658 m), Non-operation: +40,000 ft (12,192 m)
- Temperature range (operation): 0°C to 40°C °C
- MTBF: 70,000 hrs (excluded backlight) hour(s)
- Relative humidity: 20%-80 %
- Temperature range (storage): -20°C to 60°C °C

Sustainability
- Environmental and energy: EnergyStar 7.0, PowerSensor, EPEAT*, RoHS
- Post-consumer recycled plastic: 85%
- Recyclable packaging material: 100 %
- Specific Substances: PVC/BFR free housing, Mercury free

Compliance and standards
- Regulatory Approvals: CE Mark, FCC Class B, SEMKO, cETLus, CU-EAC, TUV/GS, TUV Ergo, EPA, PSB, WEEE, RCM, UKRAINIAN, CECP, ICES-003, E-standby, J-MOSS

Cabinet
- Finish: Texture
- Foot: Black
- Front bezel: Black
- Rear cover: Black

What's in the box?
- Cables: VGA, DVI, Audio, Power
- Monitor with stand
- User Documentation

www.philips.com

* EPEAT rating is valid only where Philips registers the product. Please visit https://www.epeat.net/ for registration status in your country.