Philips Brilliance
LED-backlit LCD monitor

B Line
23" (58.4 cm)
1920 x 1080 (Full HD)

231B4QPYCB

Crisp images, efficient performance

with PowerSensor saves energy

The Philips PowerSensor LED display using 65% post consumer recycled plastics and PVC, BFR free housing is ideal for eco-friendly productivity

Excellent performance
- Built-in stereo speakers for multimedia
- DisplayPort offers audio and video over a single, long cable
- IPS technology for full colors and wide viewing angles

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

Sustainable Eco-design
- Zero power consumption with 0 watt hard switch
- PowerSensor saves up to 80% energy costs

Easy to experience
- USB Hub with 2 ports for easy connections
- SmartImage presets for easy optimized image settings

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Highlights

IPS technology

IPS displays use an advanced technology which gives you extra wide viewing angles of 178/178 degree, making it possible to view the display from almost any angle - even in 90 degree Pivot mode! Unlike standard TN panels, IPS displays gives you remarkably crisp images with vivid colors, making it ideal not only for Photos, movies and web browsing, but also for professional applications which demand color accuracy and consistent brightness at all times.
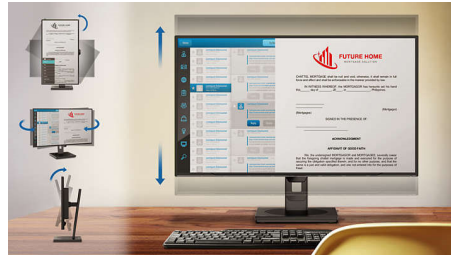
DisplayPort

DisplayPort is a digital link from PC to Monitor without any conversion. With higher capabilities than DVI standard, it is fully capable to support up to 15meter cables and 10.8 Gbps/sec data transfer. With this high performance and zero latency, you get the fastest imaging and refresh rates - making DisplayPort the best choice for not only general office or home use, but also for the demanding gaming and movies, video editing and more. It also keeps interoperability in mind via use of various adapters.

Built-in stereo speakers

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.

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

The Philips monitor, thanks to its advanced SmartErgoBase, 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 for users with greatly different heights to use the monitor in their preferred angle and height settings, helping them reduce fatigue and strain.
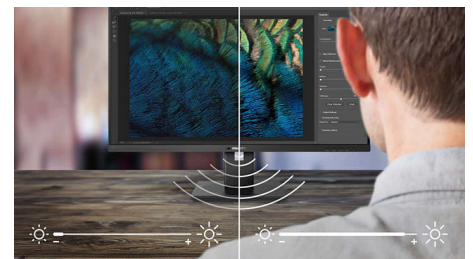
SmartImage

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, Photo, Movie, Game, 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!

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.

PowerSensor

PowerSensor is a built-in 'people sensor' that transmits and receives harmless infrared signals to determine if user is present and automatically reduces monitor brightness when user steps away from the desk, cutting energy costs by up to 80 percent and prolonging monitor life

Zero power consumption

At the flick of the 0 watt hard switch which is conveniently located at the back, you can completely cut-off your monitor from AC power. This results in zero power consumption reducing your carbon footprint even further

Specifications

Connectivity
- Signal Input: DisplayPort x 1, DVI-D (digital, HDCP), VGA (Analog)
- USB: USB 2.0 x 2
- Sync Input: Separate Sync, Sync on Green
- Audio (In/Out): PC audio-in, Headphone out

Picture/Display
- Panel Size: 23 inch / 58.4 cm
- Aspect ratio: 16:9
- LCD panel type: IPS LCD
- Backlight type: W-LED system
- Pixel pitch: 0.265 x 0.265 mm
- Optimum resolution: 1920 x 1080 @ 60Hz
- Brightness: 250 cd/m²
- Display colors: 16.7 M
- Contrast ratio (typical): 1000:1
- SmartContrast: 20,000,000:1
- Response time (typical): 7 ms (GTG_BW)*
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- Picture enhancement: SmartImage
- Effective viewing area: 509.18 (H) x 286.41 (V)
- Scanning Frequency: 30 - 83 kHz (H) / 56 - 75 Hz (V)
- sRGB

Convenience
- Built-in Speakers: 1.5W x 2
- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 8.1 / 8 / 7
- User convenience: SmartImage, Volume, PowerSensor, Menu, Power On/Off
- OSD Languages: English, French, German, Italian, Portuguese, Russian, Simplified Chinese, Spanish
- Other convenience: Kensington lock, VESA mount (100x100mm)
- Control software: SmartControl Premium

Stand
- Height adjustment: 110 mm
- Pivot: 90 degree
- Swivel: -65/65 degree
- Tilt: -5/20 degree

Power
- ECO mode: 13.7 W (typ.)
- Power supply: 100-240VAC, 50-60Hz, Built-in
- Off mode: Zero watts with AC switch
- On mode: 20.2 W (typ.) (EnergyStar 6.0 test method)
- Standby mode: <0.3 W (typ.)
- Power LED indicator: Operation - White, Standby mode- White (blinking)

Dimensions
- Packaging in mm (WxHxD): 620 x 401 x 167 mm
- Product without stand (mm): 547 x 343 x 60 mm
- Packaging in inch (WxHxD): 24.4 x 15.8 x 6.6 inch
- Product without stand in inch: 21.5 x 13.5 x 2.4 inch
- Product with stand(max height): 547 x 507 x 227 mm
- Product with stand(max height): 21.5 x 20.0 x 8.9 inch

Weight
- Product with packaging (kg): 7.82 kg
- Product with stand (kg): 5.70 kg
- Product with packaging (lb): 17.20 lb
- Product with stand (lb): 12.54 lb
- Product without stand (kg): 3.90 kg
- Product without stand (lb): 8.58 lb

Operating conditions
- Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- Temperature range (operation): 0°C to 40°C °C
- MTBF: 30,000 (backlight) hour(s)
- Relative humidity: 20%-80 %
- Temperature range (storage): -20°C to 60°C °C

Sustainability
- Environmental and energy: PowerSensor, EnergyStar 6.0, TCO Certified Edge, RoHS
- Post consumer recycled plastic: 65%
- Recyclable packaging material: 100 %
- Specific Substances: PVC / BFR free housing, Mercury free

Compliance and standards
- Regulatory Approvals: BSMI, CE Mark, cETLus, FCC Class B, GOST, SASO, SEMKO, TUV Ergo, TUV/GS, WEEE

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

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www.philips.com

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* Response time value equal to SmartResponse