



Philips Brilliance
LED-backlit LCD monitor

S Line

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

231S4QCB

Essential features, efficient performance

for maximum productivity

The Philips ergonomic IPS LED display, which uses 25% recycled materials and PVC, BFR-free housing, is ideal for eco-friendly productivity

Designed for people

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

Great performance

- SmartContrast gives enhanced rich black details
- IPS technology for full colours and wide viewing angles

Sustainable Eco-design

- PVC-BFR free housing
- 100% recyclable packaging

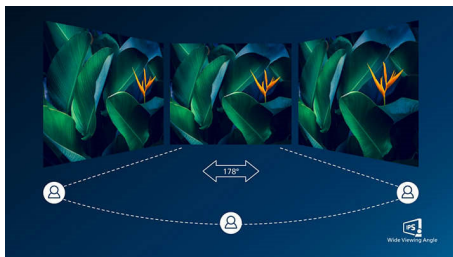
Easy to experience

- SmartControl for easy performance tuning
- SmartImage pre-sets for easy optimised image settings

PHILIPS

Highlights

IPS technology



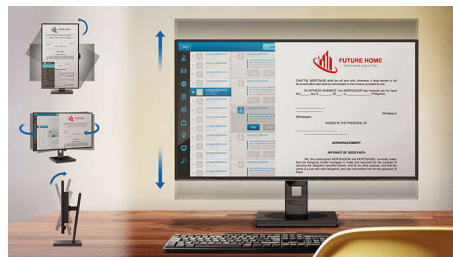
IPS displays use advanced technology that gives you extra-wide viewing angles of 178/178 degrees, making it possible to view the display from almost any angle — even in 90-degree Pivot mode! Unlike standard TN panels, IPS displays gives you remarkably crisp images with vivid colours, making it ideal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

SmartContrast



SmartContrast is a Philips technology that analyses the contents you are displaying, automatically adjusting colours and controlling backlight intensity to dynamically enhance contrast for the best digital images and videos or when playing games where dark hues are displayed. When Economy mode is selected, contrast is adjusted and backlighting fine-tuned for just-right display of everyday office applications and lower power consumption.

SmartErgoBase



The SmartErgoBase is a monitor base that delivers ergonomic display comfort and provides cable management. The user-friendly height, swivel, tilt and rotation angle adjustments of the base allow the monitor to be positioned for maximum comfort to help ease the physical strains of a long workday. In addition, 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.

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!

SmartControl for easy tuning

PC software for fine tuning display performance and settings. Philips offers users two choices for display setting adjustment. Either navigate the multi-level On-Screen Display menu through buttons on the display itself or use the Philips SmartControl software to easily adjust the various display settings in a familiar way

Sustainability

Philips is committed to using sustainable, eco-friendly materials across its monitor range. All body plastic parts, metal chassis parts and packing materials use 100% recyclable materials. In selected models, we utilise $\geq 65\%$ Post-Consumer Recycled plastics, ensuring reduction in waste. Strict adherence to RoHS standards ensures substantial reduction or elimination of toxic substances like Lead and Mercury. Our display housing is made up of PVC/BFR-free material. For more information, please visit Philips @ <http://www.asimpleswitch.com/global/> to learn more.

PVC-BFR free housing

This Philips monitor housing is free from brominated flame retardant and polyvinyl chloride (PVC-BFR free)



Specifications

Connectivity

- Signal Input: DVI-D (digital, HDCP), VGA (Analogue)
- Sync Input: Separate Sync, Sync on Green

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 @ 60 Hz
- Brightness: 250 cd/m²
- Display colours: 16.7 M
- Contrast ratio (typical): 1000:1
- SmartContrast: 20,000,000:1
- Response time (typical): 14 (Gray to Gray) ms
- 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
- SmartResponse (typical): 7 ms (GTG_BW)

Convenience

- Plug and Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 8.1 / 8 / 7
- User convenience: SmartImage, Brightness, SmartPower, Menu, Power On/Off
- OSD Languages: English, French, German, Italian, Portuguese, Russian, Simplified Chinese, Spanish
- Other convenience: Kensington lock, VESA mount (100 x 100 mm)
- Control software: SmartControl Premium

Stand

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

Power

- ECO mode: 12.7 W (typ.)
- Power supply: 100–240 VAC, 50–60 Hz, Built-in
- Off mode: <0.2 W (typ.)
- On mode: 20 W (typ.) (EnergyStar 6.0 test

method)

- Standby mode: <0.2 W (typ.)
- Power LED indicator: Operation - White, Standby mode - White (flashing)

Dimensions

- Product with stand (mm): 547 x 507 x 227 mm
- Packaging in mm (W x H x D): 620 x 401 x 167 mm
- Product without stand (mm): 547 x 343 x 60 mm

Weight

- Product with packaging (kg): 7.39 kg
- Product with stand (kg): 5.50 kg
- Product without stand (kg): 3.70 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: 30,000 (backlight) hour(s)
- Relative humidity: 20–80% %
- Temperature range (storage): -20°C to 60°C °C

Sustainability

- Environmental and energy: EnergyStar 6.0, RoHS
- Recyclable packaging material: 100 %
- Specific Substances: PVC/BFR free housing, Mercury free
- Recycled material: 25%

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

What's in the box?

- Cables: VGA, Power
- Monitor with stand
- User Documentation



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* "IPS" word mark / trademark and related patents on technologies
belong to their respective owners.

* Smart response time is the optimum value from either GtG or GtG
(BW) tests.