Philips
LCD monitor

B Line
23 (22.5" / 57.2 cm diag.)
1920 x 1200 (WUXGA)

230B8QJEB

Clear image, efficient performance

for maximum productivity

Get your best work done with the Philips 23" monitor. The 16:10 ratio display gives you extra vertical height for increased productivity. Features like height-adjustment, Flicker-free and LowBlue mode make work easy-on-the eyes.

Great performance
- IPS technology for full colors and wide viewing angles
- 16:10 aspect ratio for more vertical screen height
- SmartImage presets for easy optimized image settings

Designed for comfortable productivity
- LowBlue Mode for easy on-the-eyes productivity
- Less eye fatigue with Flicker-free technology
- SmartErgoBase enables people-friendly ergonomic adjustments
- EasyRead mode for a paper-like reading experience

Features for the way you work
- Narrow border display for a seamless appearance
- HDMI ensures universal digital connectivity
- Built-in stereo speakers for multimedia
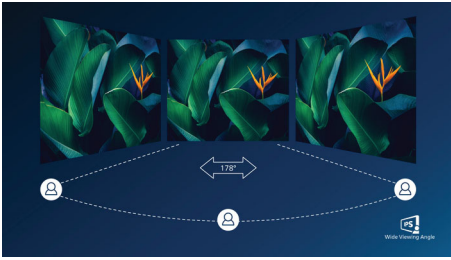
Sustainable Eco-design
- 100% recyclable packaging

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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.

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!
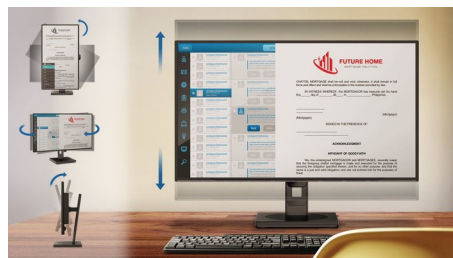
LowBlue Mode

Studies have shown that just as ultra-violet rays can cause eye damage, shortwave length blue light rays from LED displays can cause eye damage and affect vision over time. Developed for wellbeing, Philips LowBlue Mode setting uses a smart software technology to reduce harmful shortwave blue light.

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.

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
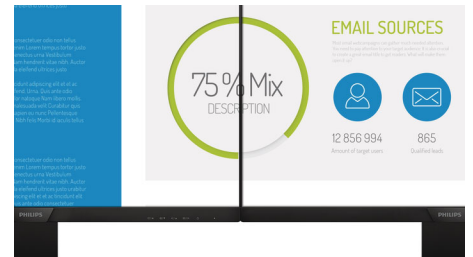
long workday, while cable management reduces cable clutter and keeps the workspace neat and professional.

EasyRead mode

EasyRead mode for a paper-like reading experience

UltraNarrow Border

The new Philips displays feature ultra-narrow borders which allow for minimal distractions and maximum viewing size. Especially suited for multi-display or tiling setup like gaming, graphic design and professional applications, the ultra-narrow border display gives you the feeling of using one large display.

HDMI Ready

An HDMI-ready device has all the required hardware to accept High-Definition Multimedia Interface (HDMI) input. A HDMI cable enables high-quality digital video and audio all transmitted over a single cable from a PC or any number of AV sources (including set-top boxes, DVD players, A/V receivers and video cameras).

 Wide Viewing Angle

 SmartImage™

 LowBlue Mode

 Flicker-free

 SmartErgo Base

 EasyRead

 3-sided Frameless

 Built-in Speaker

Specifications

Picture/Display
- LCD panel type: IPS technology
- Adaptive sync
- Backlight type: W-LED system
- Panel Size: 22.5 inch / 57.2 cm
- Display Screen Coating: Anti-Glare, 3H, Haze 25%
- Effective viewing area: 488.16 (H) x 297.18 (V)
- Aspect ratio: 16:10
- Optimum resolution: 1920 x 1200 @ 60Hz
- Pixel Density: 101 PPI
- Response time (typical): 5 ms (Gray to Gray)*
- Brightness: 250 cd/m²
- Contrast ratio (typical): 1000:1
- SmartContrast: 50,000,000:1
- Pixel pitch: 0.25425 x 0.24765 mm
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- Flicker-free
- Picture enhancement: SmartImage
- Color gamut (typical): NTSC 85%*, sRGB 101.8%*
- Display colors: 16.7M
- Scanning Frequency: 30 - 96 kHz (H) / 48 - 76 Hz (V)
- sRGB
- EasyRead
- LowBlue Mode

Connectivity
- Signal Input: VGA (Analog), DVI-D (digital, HDCP), HDMI 1.4, DisplayPort 1.2
- Sync Input: Separate Sync, Sync on Green
- Audio (In/Out): PC audio-in, Headphone out

Convenience
- Built-in Speakers: 2 W x 2
- User convenience: SmartImage, Input, Brightness, Menu, Power On/Off
- Control software: SmartControl
- 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 (100x100mm)
- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 10 / 8.1 / 8 / 7

Stand
- Height adjustment: 130 mm
- Pivot: +/- 90 degree
- Swivel: -175 ~ 175 degree
- Tilt: -5 ~ 30 degree

Power
- ECO mode: 8.5 W (typ.)
- Energy Label Class: E
- On mode: 13.6 W (typ.) (EnergyStar 8.0 test method)
- Standby mode: < 0.3 W (typ.)
- Off mode: Zero watts with Zero switch
- Power LED indicator: Operation - White, Standby mode- White (blinking)
- Power supply: Built-in, 100-240VAC, 50-60Hz

Dimensions
- Product with stand(max height): 499 x 512 x 216 mm
- Product without stand (mm): 499 x 323 x 56 mm
- Packaging in mm (WxHxD): 565 x 519 x 161 mm

Weight
- Product with stand (kg): 4.30 kg
- Product without stand (kg): 2.70 kg
- Product with packaging (kg): 6.25 kg

Operating conditions
- Temperature range (operation): 0°C to 40°C °C
- Temperature range (storage): -20°C to 60°C °C
- Relative humidity: 20%-80 %
- Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- MTBF: 70,000 hrs (excluded backlight) hour(s)

Sustainability
- Environmental and energy: EnergyStar 8.0, EPEAT*, TCO Certified Edge, WEEE, RoHS
- Recyclable packaging material: 100 %
- Recycled material: 85%
- Specific Substances: PVC / BFR free housing, Mercury free

Compliance and standards
- Regulatory Approvals: CE Mark, FCC Class B, EPA, UKRAINIAN, ICES-003, TUV Ergo, TUV/GS, CU-EAC

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

What's in the box?
- Monitor with stand
- Cables: D-Sub cable, DVI-D cable, HDMI cable, DP cable, Power cable
- User Documentation

* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.
* Response time value equal to SmartResponse
* NTSC Area based on CIE1976
* sRGB Area based on CIE1931
* EPEAT rating is valid only where Philips registers the product. Please visit https://www.epeat.net/ for registration status in your country.
* The monitor may look different from feature images.

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