

PHILIPS

LCD monitor with
PowerSensor

Brilliance

B Line

24 (23.8" / 60.5 cm diag.)

1920 x 1080 (Full HD)

241B7QPJKEB



Crisp views, efficient performance

with PowerSensor

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

Brilliant performance

- SmartImage presets for easy optimized image settings
- IPS technology for full colors and wide viewing angles
- Narrow border display for a seamless appearance

Features for the way you work

- Built-in stereo speakers for multimedia
- SmartConnect with DisplayPort, HDMI and VGA connections
- Webcam pops up when you need it; secures down when you don't
- USB 3.0 enables fast data transfers and smart phone charging

Sustainable Eco-design

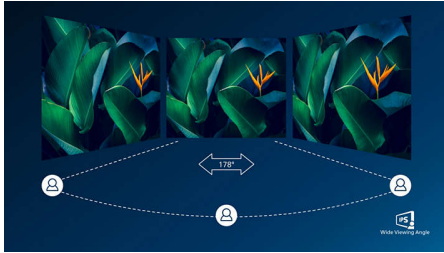
- PowerSensor saves up to 70% energy costs

Designed for comfortable productivity

- SmartErgoBase enables people-friendly ergonomic adjustments
- Less eye fatigue with Flicker-free technology
- LowBlue Mode for easy on-the-eyes productivity

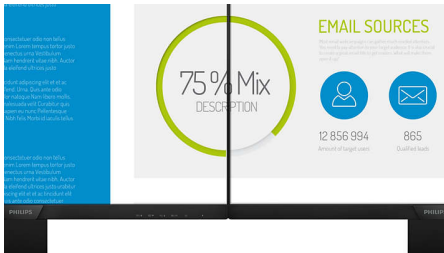
Highlights

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.

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.

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



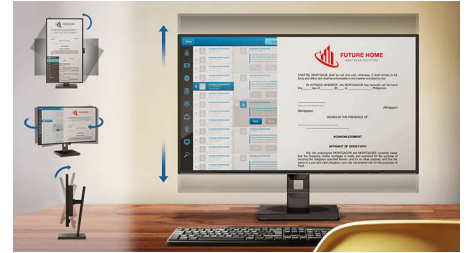
Studies have shown that just as ultra-violet rays can cause eye damage, shortwave length blue light rays from LED displays can cause eye damage and affect vision over time. Developed for wellbeing, Philips LowBlue Mode setting uses a smart software technology to reduce harmful shortwave blue light.

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.

Pop-up webcam



Webcams are great for connecting with others and collaborating on that important project. Sometimes, though, you don't want a webcam looking down on your desk. Our ingenious new pop-up webcam design pops up when it's time for meetings and for security tucks away nicely when you are not using it.



Highlights

Built-in stereo speakers

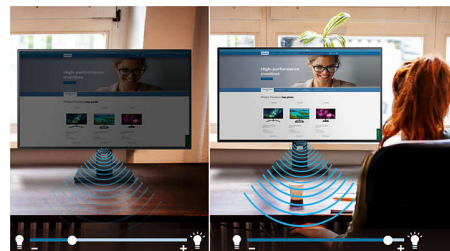


A pair of high quality stereo speakers built into a display device. It can be visible front firing, or invisible down firing, top firing, rear firing, etc depending on model and design.

SmartConnect

With a plethora of connectivity, these Philips displays come equipped with multi connections like VGA, Display Port, universal HDMI connector, enabling you to enjoy high resolution uncompressed video and audio content. USB connections ensures that you can have super speed data transfers while having global connectivity. Regardless of what source you use, you can rest assured that this Philips display will ensure your investment is not made obsolete any time soon!

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 70 percent and prolonging monitor life.



USB 3.0

Specifications

Picture/Display

Panel Size: 23.8 inch / 60.5 cm
Aspect ratio: 16:9
LCD panel type: IPS technology
Backlight type: W-LED system
Pixel pitch: 0.275 x 0.275 mm
Optimum resolution: 1920 x 1080 @ 60Hz
Brightness: 250 cd/m²
Display colors: 16.7 M
Contrast ratio (typical): 1,000:1
SmartContrast: 20,000,000 :1
Response time (typical): 5 ms (Gray to Gray)*
Viewing angle: 178° (H) / 178° (V), @ C/R > 10
Picture enhancement: SmartImage
Effective viewing area: 527 (H) x 296.5 (V)
Scanning Frequency: 30 - 83 kHz (H) / 56 - 76 Hz (V)
sRGB
Flicker-free

Connectivity

Signal Input: VGA (Analog), DisplayPort 1.2, HDMI 1.4
USB: USB 3.0x3 (1 w/fast charging)*
Sync Input: Separate Sync, Sync on Green
Audio (In/Out): PC audio-in, Headphone out

Convenience

Built-in Speakers: 2 W x 2
Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 10 / 8.1 / 8 / 7
User convenience: SmartImage, Input, PowerSensor, Menu, Power On/Off, Low Blue Mode

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)
Control software: SmartControl
Built-in webcam: Pop-up 2.0 megapixel FHD camera with microphone and LED indicator

Stand

Height adjustment: 130 mm
Pivot: 90 degree
Swivel: -175/+175 degree
Tilt: -5/20 degree

Power

ECO mode: 10.3 W (typ.)
Power supply: Built-in, 100-240VAC, 50-60Hz
Off mode: Zero watts with AC switch
On mode: 13.14 W (typ.) (EnergyStar test method)
Standby mode: <0.3 W (typ.)
Power LED indicator: Operation - White, Standby mode- White (blinking)

Dimensions

Packaging in mm (WxHxD): 603 x 492 x 187 mm
Product without stand (mm): 541 x 332 x 57 mm
Product with stand(max height): 541 x 492 x 257 mm

Weight

Product with packaging (kg): 8.35 kg
Product with stand (kg): 5.83 kg
Product without stand (kg): 3.52 kg

Operating conditions

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

Sustainability

Environmental and energy: EnergyStar 8.0, PowerSensor, EPEAT*, TCO Certified Edge, 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, cETLus, CU-EAC, TUV Ergo, TUV/GS, WEEE, ICES-003, UKRAINIAN

Cabinet

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



* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.
* EPEAT rating is valid only where Philips registers the product. Please visit <https://www.epeat.net/> for registration status in your country.
* Fast charging complies with USB BC 1.2 standard
* Response time value equal to SmartResponse
* HDMI cables vary depending on region and models.