

Philips
LCD monitor with Privacy
mode

B Line

24 (23.8" / 60.5 cm diag.)
1920 x 1080 (Full HD)

242B1V



Secure viewing with Privacy Mode

This Philips monitor with an easy switchable privacy mode offers an integrated solution for privacy without the clumsy screen protector. Secure your confidential or sensitive data from visual hacking. Greatly boost up work productivity.

Designed for the way you work

- Secure viewing with Privacy Mode
- Less eye fatigue with Flicker-free technology
- LowBlue Mode for easy on-the-eyes productivity
- EasyRead mode for a paper-like reading experience
- SmartErgoBase enables people-friendly ergonomic adjustments
- Built-in stereo speakers for multimedia

Excellent performance

- IPS technology for full colors and wide viewing angles
- SmartImage presets for easy optimized image settings
- Effortlessly smooth action with Adaptive-Sync technology

Designed for sustainability

- PowerSensor saves up to 70% energy costs
- LightSensor for the perfect brightness with minimal power

PHILIPS

Highlights

Privacy mode

Organizations invest heavily to prevent information leakage. Visual hacking is low-tech, but hard to prevent in open spaces. Philips Privacy Mode offers an integrated solution for privacy without the hassle of the clumsy screen protector. Simply press a button to enter Privacy Mode, your screen appears dark and barely seen from both sides, but keep clear visuals at the center. You can secure confidential, sensitive, or private data from visual hacking. A convenient switch allows you to quickly toggle between Privacy Mode and wide-viewing mode. Greatly boost up work productivity.

uses a smart software technology to reduce harmful shortwave blue light.

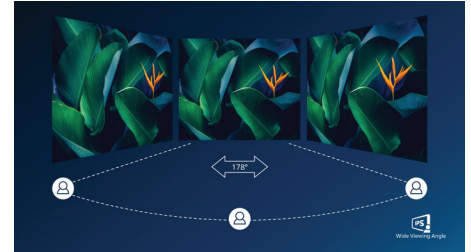
invisible down firing, top firing, rear firing, etc depending on model and design.

EasyRead mode



EasyRead mode for a paper-like reading experience

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.

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.

SmartImage



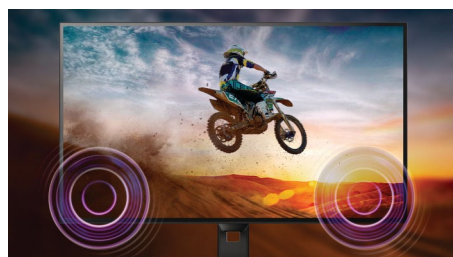
SmartImage is an exclusive leading edge Philips technology that analyzes the content displayed on your screen and gives you optimized display performance. This user friendly interface allows you to select various modes like Office, Photo, Movie, Game, Economy etc., to fit the application in use. Based 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

Built-in stereo speakers



A pair of high quality stereo speakers built into a display device. It can be visible front firing, or



Privacy Mode



PowerSensor



Flicker-free



LowBlue Mode



EasyRead



3-sided Frameless



SmartErgo Base



SmartImage™



Adaptive-Sync

Specifications

Picture/Display

- LCD panel type: IPS technology
- Adaptive sync
- Backlight type: W-LED system
- Panel Size: 23.8 inch / 60.5 cm
- Display Screen Coating: Anti-Glare, 3H, Haze 25%
- Effective viewing area: 527.04 (H) x 296.46 (V)
- Aspect ratio: 16:9
- Maximum resolution: 1920 x 1080 @ 75Hz*
- Pixel Density: 93 PPI
- Response time (typical): 4 ms (Gray to Gray)*
- Brightness: Sharing mode: 350 cd/m²; Privacy mode*: 180 cd/m²
- Contrast ratio (typical): 1000:1
- SmartContrast: 50,000,000:1
- Pixel pitch: 0.2745 x 0.2745 mm
- Viewing angle: Sharing mode: 178° (H) / 178° (V) C/ R > 10 (typ.); Privacy mode: 90° (H) / 178° (V) (<1.4% of central maximum luminance)
- Picture enhancement: SmartImage
- Color gamut (typical): NTSC 87%*, sRGB 106%*
- Display colors: 16.7M
- Scanning Frequency: 30 - 85 kHz (H) / 48 - 75 Hz (V)
- sRGB
- Flicker-free
- EasyRead
- LowBlue Mode

Connectivity

- Signal Input: VGA (Analog), DVI-D (digital, HDCP), DisplayPort 1.2, HDMI 1.4 x 1
- HDCP: HDCP 1.4 (DVI/DP/HDMI)
- Sync Input: Separate Sync, Sync on Green
- USB: USB-B x 1 (upstream), USB 3.2 x 4 (downstream with 1 fast charge B.C 1.2)
- Audio (In/Out): PC audio-in, Headphone out

Convenience

- Built-in Speakers: 2 W x 2
- User convenience: SmartImage, Input, PowerSensor, 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: 150 mm
- Pivot: +/- 90 degree

- Swivel: +/- 180 degree
- Tilt: -5 ~ 35 degree

Power

- ECO mode: 13.9 W (typ.)
- On mode: 14.5 W (typ.) (EnergyStar test method)
- Standby mode: < 0.3 W (typ.)
- Off mode: Zero watts with Zero switch
- Energy Label Class: D
- Power LED indicator: Operation - White, Standby mode- White (blinking)
- Power supply: Built-in, 100-240VAC, 50-60Hz

Dimensions

- Product with stand(max height): 540 x 501 x 205 mm
- Product without stand (mm): 540 x 323 x 51 mm
- Packaging in mm (WxHxD): 600 x 465 x 198 mm

Weight

- Product with stand (kg): 5.78 kg
- Product without stand (kg): 4.18 kg
- Product with packaging (kg): 7.95 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 (demonstrated): 70,000 hrs (excluded backlight)

Sustainability

- Environmental and energy: PowerSensor, LightSensor, EnergyStar 8.0, EPEAT*, RoHS
- Recyclable packaging material: 100 %
- Post consumer recycled plastic: 85%
- Specific Substances: PVC / BFR free housing, Mercury free

Compliance and standards

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

Cabinet

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

What's in the box?

- Monitor with stand
- Cables: VGA cable, HDMI cable, DP cable, Audio cable, Power cable
- User Documentation



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Version: 5.2.1

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* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.
* The maximum resolution works for either HDMI input or DP input.
* Response time value equal to SmartResponse
* While switching on privacy mode, the maximum brightness is 180 cd/m²
* NTSC Area based on CIE1976
* sRGB Area based on CIE1931
* Fast charging complies with USB BC 1.2 standard
* 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.