

PHILIPS

LCD monitor with
PowerSensor

Business Monitor

B Line

24 (23.8" / 60.5 cm diag.)

2560 x 1440 (QHD)

245B1



Crystal-clear vision to get more done

Get your best work done with this Philips monitor. Crystal-clear QHD gives the space and clarity for your work. Loaded with features to improve productivity and sustainability. Eye comfort features with TUV certified to reduce eye fatigue.

Excellent performance

- IPS technology for full colours and wide viewing angles
- SmartImage pre-sets for easy optimised image settings
- Crystal clear images with Quad HD 2560 x 1440 pixels
- Effortlessly smooth action with Adaptive-Sync technology

Designed for the way you work

- Built-in stereo speakers for multimedia
- SmartErgoBase enables user-friendly ergonomic adjustments
- Less eye fatigue with Flicker-Free technology
- LowBlue Mode for easy-on-the-eyes productivity
- EasyRead mode for a paper-like reading experience
- TUV Eye Comfort certified to reduce eye fatigue

Designed for sustainability

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

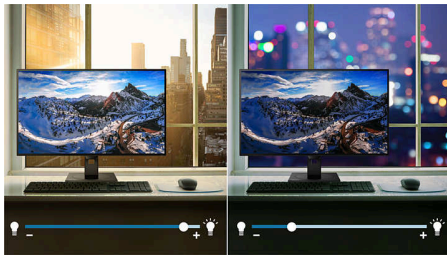
Highlights

PowerSensor



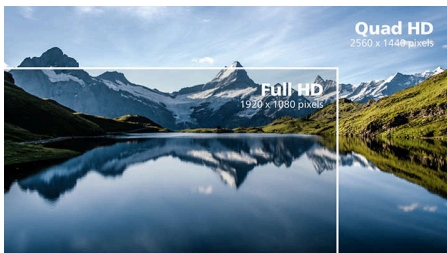
PowerSensor is a built-in 'people sensor' that transmits and receives harmless infrared signals to determine if the user is present and automatically reduces monitor brightness when the user steps away from the desk, cutting energy costs by up to 70 percent and prolonging monitor life.

LightSensor



LightSensor uses a smart sensor to adjust the picture brightness depending on the light conditions in the room for the perfect picture with minimal power usage.

CrystalClear images



These Philips screens deliver Crystal Clear, Quad HD 2560 x 1440 or 2560 x 1080 pixel images. Utilising high-performance panels with a high-density pixel count, enabled by high bandwidth sources like USB-C, Displayport and HDMI, these new displays will make your images and graphics come alive. Whether you are a demanding professional who requires extremely detailed information for CAD-CAM solutions and uses 3D

graphic applications, or a financial wizard working on huge spreadsheets, Philips displays will give you Crystal Clear images.

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!

Adaptive-Sync technology



Gaming shouldn't be a choice between choppy gameplay or broken frames. Get fluid, artefact-free performance at virtually any frame rate with Adaptive-Sync technology, smooth quick refresh and ultra-fast response time.

TUV Rheinland Eye Comfort



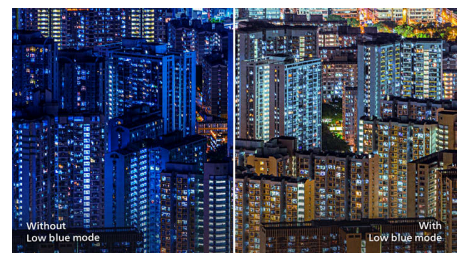
Philips displays meet TUV Rheinland Eye Comfort standard to prevent eye strain caused by prolonged computer use. With TUV Eye Comfort certification, Philips displays ensure flicker-free, low-blue mode, no disturbing reflections, a wide viewing angle, less reduction of image quality from different angles and ergonomic stand designs for an ideal viewing experience. Keep your eyes healthy and boost work productivity.

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.

LowBlue Mode

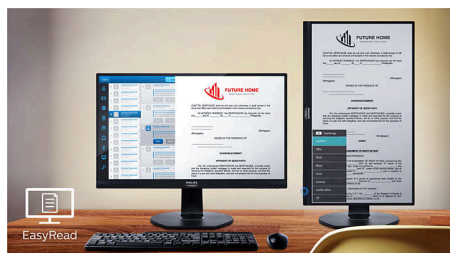


Studies have shown that just as ultra-violet rays can cause eye damage, shortwave-length blue light rays from LED displays can cause eye damage and affect vision over time. Developed for wellbeing, the Philips LowBlue Mode setting uses a smart software technology to reduce harmful shortwave blue light.



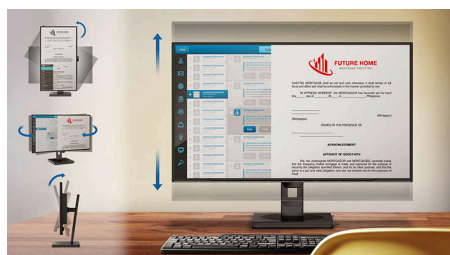
Highlights

EasyRead mode



EasyRead mode for a paper-like reading experience

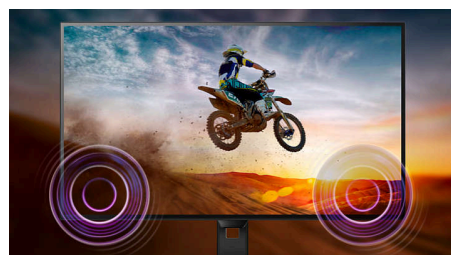
SmartErgoBase



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.

Built-in stereo speakers



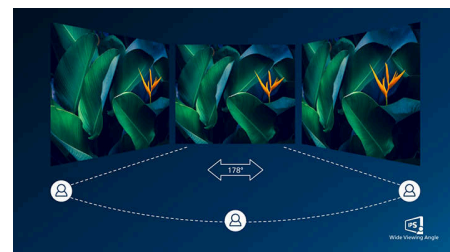
A pair of high-quality stereo speakers built into a display device. They may be visible front firing, or invisible down firing, top firing, rear firing etc. depending on model and design.

Designed for sustainability

Designed for sustainability and reduced operating costs, this monitor meets environmental standards. Such as: ENERGY STAR,

EPEAT, TCO Certified. For more information on certification, please visit: ENERGY STAR: <https://www.energystar.gov/> EPEAT: <https://www.epeat.net/> TCO Certified: <https://tcocertified.com/>

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.

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: 0.2058 x 0.2058 mm
 Brightness: 250 cd/m²
 Display colours: 16.7 M
 Colour gamut (typical): NTSC 99%*, sRGB 116%*
 Contrast ratio (typical): 1000:1
 SmartContrast: 50,000,000:1
 Response time (typical): 4 ms (Grey to Grey)*
 Viewing angle: 178° (H)/178° (V), @ C/R > 10
 Picture enhancement: SmartImage
 Maximum resolution: 2560 x 1440 @ 75 Hz*
 Effective viewing area: 526.848 (H) x 296.352 (V)
 Scanning Frequency: 30–114 kHz (H)/48–75 Hz (V)
 sRGB
 Flicker-free
 Pixel Density: 123 PPI
 LowBlue Mode
 Display Screen Coating: Anti-Glare, 3H, Haze 25%
 EasyRead
 Adaptive sync

Connectivity

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

Convenience

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

Stand

Height adjustment: 150 mm
 Pivot: -/+ 90 degree
 Swivel: -/+ 180 degree
 Tilt: -5 ~ 35 degree

Power

ECO mode: 13 W (typ.)
 Power supply: Built-in, 100–240 VAC, 50–60 Hz
 Off mode: Zero watts with Zero switch
 On mode: 16.3 W (typ.) (Energy Star test method)
 Standby mode: 0.3 W (typ.)
 Power LED indicator: Operation - White, Standby mode - White (flashing)
 Energy Label Class: E

Dimensions

Packaging in mm (W x H x D): 730 x 450 x 139 mm
 Product without stand (mm): 540 x 323 x 51 mm
 Product with stand (max height): 540 x 501 x 205 mm

Weight

Product with packaging (kg): 7.46 kg
 Product with stand (kg): 4.78 kg
 Product without stand (kg): 3.20 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
 Relative humidity: 20%-80 %
 Temperature range (storage): -20°C to 60 °C
 MTBF (demonstrated): 70,000 hrs (excluded backlight)

Sustainability

Environmental and energy: PowerSensor, LightSensor, EnergyStar 8.0, 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: CB, EPA, FCC Class B, ICES-003, CE Mark, TUV Ergo, TUV/GS, SEMKO, CU-EAC, UKRAINIAN, CCC, CECP, CEL, TUV Eye
 Comfort certified

Cabinet

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

What's in the box?

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



* "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

* NTSC Area based on CIE 1976

* 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.