PHILIPS

LCD monitor

Business Monitor

2000 series

24 (23.8" / 60.47 cm diag.)

1920 x 1080 (Full HD)

24B2N2100L

Empower daily efficiency

This monitor delivers business efficiency. Not only is it equipped with essential features, but it also has ones that stand out like its 100hz refresh rate, SoftBlue, Flicker-Free, VESA mount, and more.

Designed for the way you work

- SoftBlue Technology: for comfortable viewing
- Less eye fatigue with Flicker-free technology
- EasyRead mode for a paper-like reading experience
- Eyesafe certified blue light protection and color accuracy
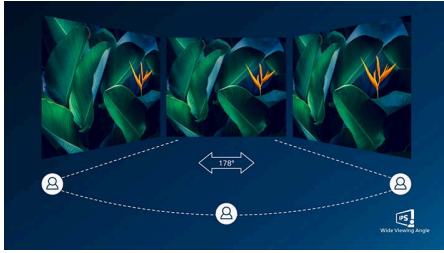
Great performance

- IPS LED wide view technology for image and color accuracy
- SmartImage presets for easy optimized image settings
- 16:9 Full HD display for crisp detailed images
- 100Hz Fast Refresh: for ultra-smooth images

Easy to experience

- Cable management reduces cable clutter for neat workspace
- VESA mount for convenience
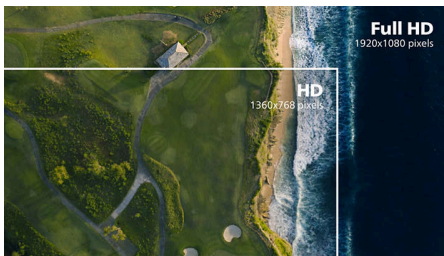- HDMI ensures universal digital connectivity
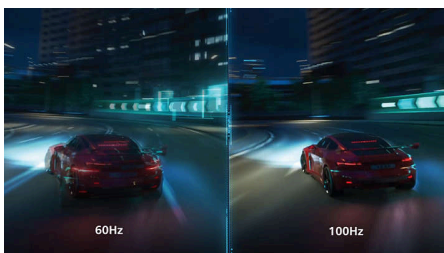
Highlights

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. 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.

16:9 Full HD display

Picture quality matters. Regular displays deliver quality, but you expect more. This display features enhanced Full HD 1920 x 1080 resolution. With Full HD for crisp detail paired with high brightness, incredible contrast and realistic colors expect a true to life picture.
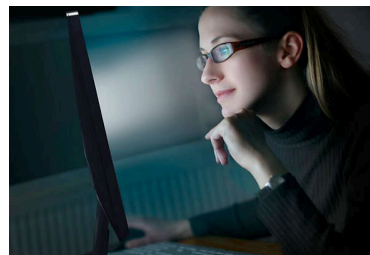
100Hz Fast refresh

This Philips display refreshes the screen image up to 100 times per second which makes this monitor much faster than a standard display. It translates into super smooth actions on screen, guaranteeing the immediate visual benefits.

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!

SoftBlue Technology

SoftBlue LED technology, combined with the monitor's low blue light panel, is an effective solution to reducing the adverse health effects caused by high exposure to blue light. In this monitor's panel, the ratio of light is reduced by nearly 50% while the SoftBlue LED technology works simultaneously by reducing harmful blue light rays emitted from the screen. Not to mention, the SoftBlue LED technology is tested and certified by TUV Rheinland Eyesafe for its effectiveness in reducing blue light emissions.

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.

TUV Rheinland Eyesafe

Philips display meets TUV Rheinland Eyesafe® standard to truly protect you from the long exposure to blue light. The always-on blue light filter not only helps reduce digital eye strain, but also guarantees color integrity.
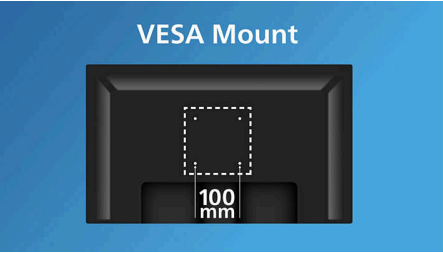
HDMI Ready

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).
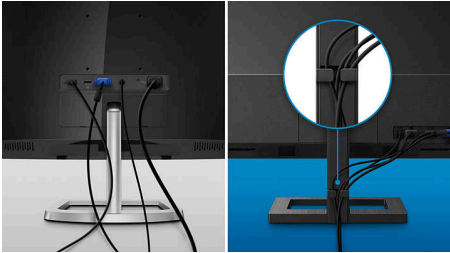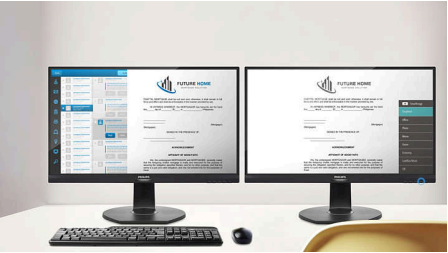
Highlights

VESA mount for convenience

VESA mount for convenience

Cable management

Cable management is an intimate design that maintains tidy workspace by organizing cables and wires required for the operation of a display device.

EasyRead mode

EasyRead mode for a paper-like reading experience

EasyRead

Specifications

Picture/Display

Panel Size: 23.8 inch/ 60.47 cm

Aspect ratio: 16:9

LCD panel type: IPS

Backlight type: W-LED system

Pixel pitch: 0.2745(H)mm x 0.2745(V)mm

Brightness: 250 cd/m²

Display colors: 16.7 M (8 bit)

Color gamut (typical): NTSC 103%*, sRGB 99%*

Contrast ratio (typical): 1300:1

SmartContrast: 50,000,000:1

Response time (typical): 4 ms (Gray to Gray)*

Viewing angle: 178º (H) / 178º (V), @ C/R > 10

Picture enhancement: SmartImage

Maximum resolution: VGA: 1920x1080@75Hz; HDMI: 1920x1080@100Hz

Effective viewing area: 527.04(H)x296.46(V) mm

Scanning Frequency: HDMI: 30 - 115 kHz (H) / 48 - 100 Hz (V); VGA: 30 - 85 kHz (H) / 48 - 75 Hz (V)

sRGB

SoftBlue

Flicker-free

Pixel Density: 93 PPI

Display Screen Coating: Anti-Glare, 3H, Haze 25%

EasyRead

Adaptive sync

Connectivity

Signal Input: HDMI 1.4 x 1, VGA x 1

Sync Input: Separate Sync, Sync on Green

Audio (In/Out): Audio out

HDCP: HDCP 1.4 (HDMI)

Convenience

Plug & Play Compatibility: DDC/CI, Mac OS, sRGB, Windows 11 / 10

User convenience: SmartImage, Input, Brightness, Menu, Power On/Off

OSD Languages: Brazil Portuguese, Czech, Dutch, English, French, Finnish, German, Greek, Hungarian, Italian, Japanese, Korean, Portuguese, Polish, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese, Turkish, Ukrainian

Other convenience: Kensington lock, VESA mount (100x100mm)

Control software: SmartControl

Stand

Tilt: -5/25 degree

Power

ECO mode: 8.33 W (typ.)

Power supply: Built-in, 100-240VAC, 50-60Hz

Off mode: 0.3 W

On mode: 12.72 W (typ.) (EnergyStar test method)

Standby mode: 0.3 W

Power LED indicator: Operation - White, Standby mode- White (blinking)

Dimensions

Packaging in mm (WxHxD): 600 x 420 x 123 mm

Product without stand (mm): 550 x 332 x 48 mm

Product with stand(max height): 550 x 429 x 181 mm

Weight

Product with packaging (kg): 4.76 kg

Product with stand (kg): 2.78 kg

Product without stand (kg): 2.51 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, EPEAT*, RoHS

Post consumer recycled plastic: 85%

Recyclable packaging material: 100 %

Specific Substances: Mercury free, PVC / BFR free housing

Compliance and standards

Regulatory Approvals: CB, CE Mark, EPA, CEL, CCC, CECP, UKCA, EMF, FCC, ICES-003, eyesafe® CERTIFIED 2.0, TÜV Rheinland Low Blue Light (Hardware Solution)

Cabinet

Finish: Texture

Foot: Black

Front bezel: Black

Rear cover: Black

* Response time value equal to SmartResponse

* sRGB Coverage based on CIE1931, NTSC Area based on CIE1976

* 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.

* The products and accessories listed on this leaflet may differ by country and region.