PHILIPS

LCD monitor

Business Monitor

3000 series

24 (23.8" / 60.47 cm diag.)

1920 x 1080 (Full HD)

24B2N3200A



Redefining workflow productivity

This monitor delivers business efficiency. Not only is it equipped with essential features, but it also offers standout features such as its 120hz refresh rate, SoftBlue, Flicker-Free, VESA mount and more.

Superb Picture Quality

- IPS LED wide view technology for image and colour accuracy
- 16:9 Full HD display for crisp, detailed images
- 120Hz refresh rates for ultra-smooth visuals

Designed for the way you work

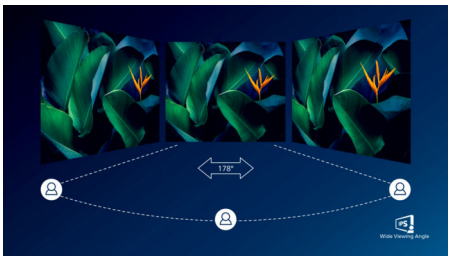
- SoftBlue Technology: for comfortable viewing
- Built-in stereo speakers for multimedia
- Less eye fatigue with Flicker-free technology
- Eyesafe certified blue light protection and colour accuracy
- EasyRead mode for a paper-like reading experience
- SmartErgoBase enables people-friendly ergonomic adjustments
- D-Mode: Optimised for subtle greyscale perception

Easy to experience

- HDMI ensures universal digital connectivity
- VESA mount for convenience

Highlights

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. Unlike standard TN panels, IPS displays give you remarkably crisp images with vivid colours, making them ideal not only for photos, films and web browsing, but also for professional applications that demand colour accuracy and consistent brightness at all times.

16:9 Full HD display



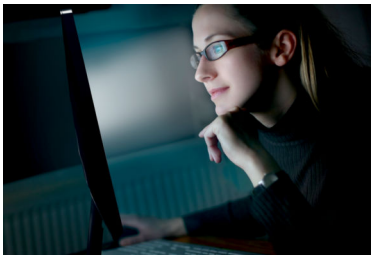
Picture quality matters. Regular displays deliver quality, but you expect more. This display features an enhanced Full HD 1920 x 1080 resolution. With Full HD for crisp detail, paired with high brightness, incredible contrast and realistic colours, you can expect a true-to-life picture.

120Hz Fast Refresh



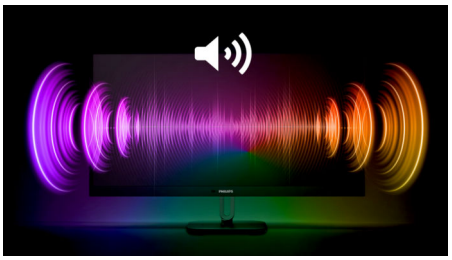
The smoother the motion, the less strain on your eyes. This Philips monitor is equipped with an improved 120Hz refresh rate. Whenever you scroll, switch between applications, or navigate complex spreadsheets, you experience smoother and more precise movements. That means you can work for as long as you need with minimal visual fatigue—all while increasing the speed of your workflow.

SoftBlue Technology with Low Blue Light Panel



SoftBlue technology offers increased visual comfort and protection against adverse health effects caused by prolonged exposure to blue light. With the low blue-light panel, the ratio of display emission light in the range of 415-455 nm to 400-500nm is reduced to less than 50%. As a result, SoftBlue technology provides optimal visual comfort, minimises eye strain and supports sustained focus. In addition, SoftBlue LED technology has been tested and TÜV Rheinland Low Blue Light (Hardware Solution) certified for its effectiveness in reducing blue light emissions.

Built-in stereo speakers



A pair of high-quality stereo speakers built into a display device. Depending on the model and design, they can be visible and front-firing, or concealed and down-firing, top-firing, rear-firing, etc.

Flicker-free technology



Due to the way brightness is controlled on LED-backlit screens, some users experience screen flicker, which causes eye fatigue. Philips Flicker-free Technology applies a new solution to regulate brightness and reduce flicker for more comfortable viewing.

eyesafe® CERTIFIED 2.0 (RPF 40)

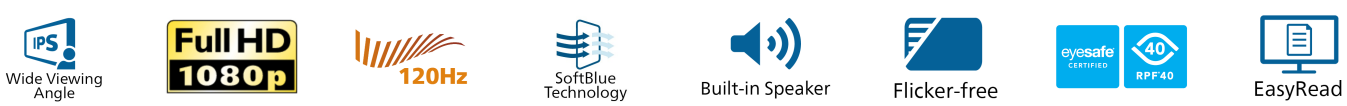


The Philips display meets the eyesafe® CERTIFIED 2.0 standard to truly protect you from prolonged exposure to blue light. The always-on blue light filter not only helps reduce digital eye strain, but also guarantees colour integrity.

EasyRead mode

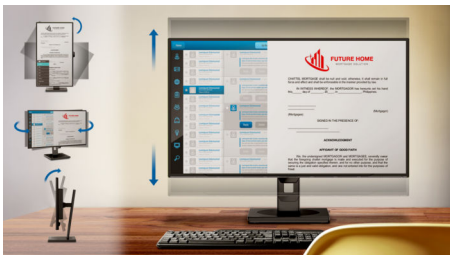


Experience improved comfort and readability when reading long, text-heavy documents. EasyRead Mode creates a paper-like viewing experience that's gentler on your eyes by adjusting your display's colours and zoom levels to simulate the feeling of reading on real paper —right on your digital display.



Highlights

SmartErgoBase



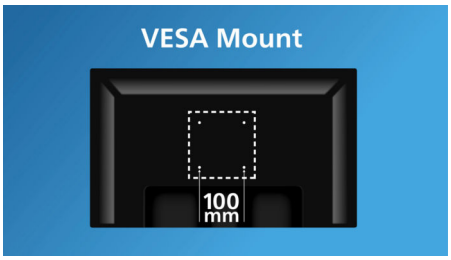
The SmartErgoBase is a monitor base that delivers ergonomic display comfort and provides cable management. The base can swivel, tilt and rotate to various angles to ensure maximum comfort. The height-adjustable stand guarantees the optimal viewing level, reducing the physical strain of a long working day, while cable management reduces cable clutter and keeps the workspace neat and professional.

HDMI Ready



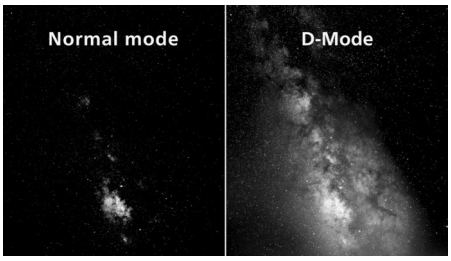
An HDMI-ready device has all the required hardware to accept High-Definition Multimedia Interface (HDMI) input. An HDMI cable enables high-quality digital video and audio to be transmitted over a single cable from a PC or any number of AV sources (including set-top boxes, DVD players, A/V receivers and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

VESA mount for convenience



Industry-standard VESA mounting holes ensure compatibility with most small form factor PCs and thin clients.

D-Mode



Reveal every hidden detail in the dark-toned areas of your display. D-Mode enhances greyscale detail to make subtle tonal differences easier to see. Based on the greyscale perception model defined by the DICOM Part 14 GSDF standard, it improves the visibility of details that standard display settings may miss. The result is clearer differentiation between subtle shades and improved detail visibility in greyscale content such as technical illustrations, scans, and other high-detail imagery.

SmartErgo Base

HDMI HIGH DEFINITION MULTIMEDIA INTERFACE

Business Monitor

LCD monitor

24B2N3200A/00

Specifications

Picture/Display

Panel Size: 23.8 inch / 60.47 cm
Aspect ratio: 16:9
LCD panel type: IPS technology
Backlight type: W-LED system
Pixel pitch: 0.2745(H)mm x 0.2745(V)mm
Brightness: 350 cd/m²
Display colours: 16.7M (8 bit)
Colour gamut (typical): sRGB: 101%, NTSC 89%*
Contrast ratio (typical): 1500:1
SmartContrast: 50,000,000:1
Response time (typical): 4 ms (Grey to Grey)*
Viewing angle: 178º (H) / 178º (V), @ C/R > 10
Picture enhancement: SmartImage
Maximum resolution: 1920x1080@75Hz(VGA), 1920x1080@120Hz(HDMI/DP)
Effective viewing area: 527.04(H)x296.46(V) mm
Scanning Frequency: VGA: 30 KHz - 85 KHz (H)/ 48 Hz - 75 Hz□HDMI/DP□30k - 140 kHz (H) / 48 Hz - 120 Hz (V)
sRGB
SoftBlue
Flicker-free
Pixel Density: 93 PPI
LowBlue Mode: Yes*
Display Screen Coating: Anti-Glare, 3H, Haze 25%
EasyRead
Adaptive sync (VRR)
EyeSafe
DICOM (D-mode)

Connectivity

Signal Input: VGA x1, HDMI 1.4 x 1, DisplayPort 1.4 x 1
Sync Input: Separate Sync, Sync on Green
Audio (In/Out): Audio out
HDCP: HDCP 1.4 (HDMI / DisplayPort)

Convenience

Built-in Speakers: 2Wx2
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, SmartManagement

Stand

Pivot: -/+90 degrees
Height adjustment: 150 mm
Swivel: -/+180 degrees
Tilt: -5/30 degrees

Power

ECO mode: 8.27 W (typ.)
Power supply: Built-in, 100-240VAC, 50-60Hz
Off mode: 0.3 W (typ.)
On mode: 13.42 (typ.) (EnergyStar 8.0 test method)
Standby mode: 0.3 W (typ.)
Power LED indicator: Operation - White, Standby mode- White (blinking)
Energy Label Class: C

Dimensions

Packaging in mm (W x H x D): 615 x 420 x 139 mm
Product without stand (mm): 542 x 320 x 48 mm
Product with stand (max height): 542 x 499 x 228 mm

Weight

Product with packaging (kg): 6.873 kg
Product with stand (kg): 4.63 kg
Product without stand (kg): 2.95 kg

Operating conditions

Altitude: Operating: +12,000ft (3,658m), Non-operating: +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 (excluding backlight)

Sustainability

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

Specifications

Compliance and standards

Regulatory Approvals: CE Mark, FCC, WEEE, South Africa Energy, EnergyStar 8.0, CB, TUV/GS, TUV Ergo, TCO Certified, TCO Certified Edge, EAC, EAC ROHS, MEPS, PSB, PSE, VCCI, UKCA, ICES-003, EMF, TCO 10.0, TÜV Rheinland Low Blue Light (Hardware Solution), eyesafe® CERTIFIED 2.0

Warranty: 5 years*

Cabinet

Finish: Texture

Foot: Black

Front bezel: Black

Rear cover: Black

What's in the box?

Cables: HDMI cable, DisplayPort cable, USB-C to USB-C cable, power cable*

Monitor with stand

User Documentation

* Response time value equal to SmartResponse
* Low blue light compliance: The ratio of display emission light in the range from 415 - 455 nm to the display emission of 400 - 500 nm shall be less than 50%.
* The SmartControl software is compatible with Windows operating systems only.
* The cable(s) supplied with the product may vary in type, quantity and specifications in line with country- or region-specific requirements.
* The 5-year warranty is a voluntary manufacturer's limited warranty. It applies only in the countries listed on this page: https://www.philips.co.uk/c-e/so/monitors/tco-certified-edge. For consumers, it is provided in addition to, and without affecting, their legal rights under applicable national laws. For non-consumer (business/professional) end users, only the manufacturer's limited warranty terms apply.
* The EPEAT rating is valid only where Philips registers the product. Please visit https://www.epeat.net/ to check the registration status in your country.
* The monitor may look different from the feature images.
* The products and accessories listed in this leaflet may differ by country and region.

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