

PHILIPS

LCD monitor

Business Monitor

3000 series

27" (68.5 cm)

2560 x 1440 (Quad HD)

27B2N3500



Redefining workflow productivity

Speed through daily tasks in comfort with this monitor's SoftBlue technology, Quad HD resolution and 120 Hz refresh rate. Additionally, SmartErgoBase adds an ergonomic touch to the monitor's feature list.

Designed for the way you work

- Built-in stereo speakers for multimedia
- SmartErgoBase enables user-friendly ergonomic adjustments
- D-Mode: Optimised for subtle greyscale perception
- Eyesafe-certified blue light protection and colour accuracy
- Less eye fatigue with Flicker-Free technology
- SoftBlue Technology: for comfortable viewing

Easy to experience

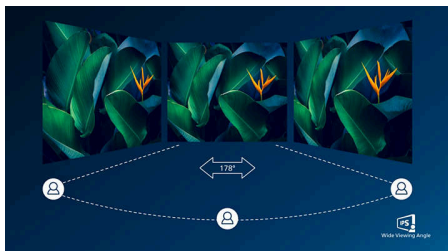
- VESA mount for convenience
- HDMI ensures universal digital connectivity

Superb Picture Quality

- 120 Hz refresh rates for ultra-smooth images
- IPS LED wide view technology for image and colour accuracy
- Crystal clear images with Quad HD 2560 x 1440 pixels
- High Dynamic Range (HDR) for more lifelike colourful visuals

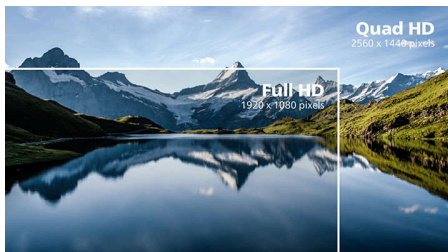
Highlights

IPS technology



IPS displays use an 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, movies and web browsing, but also for professional applications that demand colour accuracy and consistent brightness at all times.

CrystalClear images



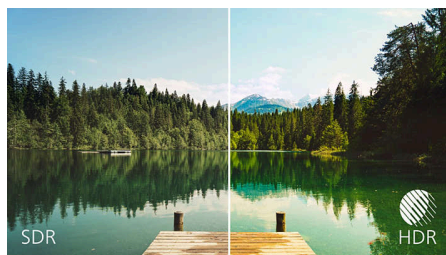
These Philips screens deliver CrystalClear, Quad HD 2560 x 1440 or 2560 x 1080 pixel images. Utilising high performance panels with a high-density pixel count enabled by high bandwidth sources, these new displays will make your images and graphics come alive. Whether you are a demanding professional requiring extremely detailed information for CAD-CAM solutions using 3D graphic applications, or a financial wizard working on huge spreadsheets, Philips displays will give you CrystalClear images.

120 Hz fast refresh



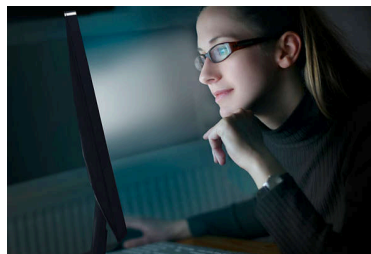
The smoother the motion, the less strain on your eyes. This Philips monitor is equipped with an improved 120 Hz refresh rate. Whenever you scroll, switch between applications or navigate complex spreadsheets, you experience smoother and more precise movements. That means you can work as long as you need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

High Dynamic Range (HDR)



High Dynamic Range delivers a dramatically different visual experience. With astonishing brightness, incomparable contrast and captivating colour, images come to life with much greater brightness while also featuring much deeper, more nuanced darks. It renders a fuller palette of rich new colours never before seen on a display, giving you a visual experience that engages your senses and inspires emotions.

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 400-500 nm is reduced to less than 50%. As a result, the SoftBlue technology provides optimal visual comfort, minimises eye strain and supports sustained focus. Not to mention, SoftBlue LED technology is 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. They may be visible front firing, or invisible down firing, top firing, rear firing etc. depending on model and design.

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.



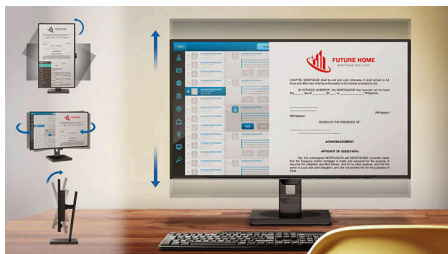
Highlights

eyesafe® CERTIFIED 2.0 (RPF 40)



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

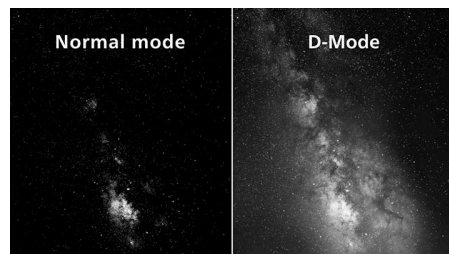
SmartErgoBase



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.

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.

VESA mount for convenience



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

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).

Specifications

Picture/Display

Panel Size: 27 inch/68.5 cm
Aspect ratio: 16:9
LCD panel type: IPS technology
Backlight type: W-LED system
Pixel pitch: 0.2331 x 0.2331 mm
Brightness: 350 cd/m²
Display colours: 16.7 M (true 8 bits)
Colour gamut (typical): sRGB 114%, NTSC 101%
 *
Contrast ratio (typical): 1500:1
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@120 Hz (HDMI/DP)
Effective viewing area: 596.74 (H) x 335.66 (V) mm
Scanning Frequency: 30-230 KHz (H)/48-120 Hz (V)
 sRGB
 SoftBlue
 Flicker-free
Pixel Density: 109 PPI
LowBlue Mode
Display Screen Coating: Anti-Glare, 3H, Haze 25%
 EasyRead
Adaptive sync (VRR)
HDR: HDR10 supported
 EyeSafe
 DICOM (D-mode)

Connectivity

Signal Input: HDMI 2.1 TMDS x 2, DisplayPort 1.4 x 1
Sync Input: Separate Sync, Sync on Green
Audio (In/Out): Audio out
HDCP: HDCP 1.4 (HDMI/DisplayPort), HDCP 2.3 (HDMI/DisplayPort)

Convenience

Built-in Speakers: 2 W x 2
Plug and 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 (100 x 100 mm)
Control software: SmartControl

Stand

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

Power

ECO mode: 11.3 W (typ.)
Power supply: Built-in, 100–240 VAC, 50–60 Hz
Off mode: 0.3 W (typ)
On mode: 17.25 W (typ.) (Energy Star test method)
Standby mode: 0.3 W (typ)
Power LED indicator: Operation - White, Standby mode - White (flashing)
Energy Label Class: D

Dimensions

Packaging in mm (W x H x D):
 690 x 445 x 139 mm
Product without stand (mm): 616 x 362 x 46 mm
Product with stand (max height):
 616 x 539 x 228 mm

Weight

Product with packaging (kg): 8.52 kg
Product with stand (kg): 6.05 kg
Product without stand (kg): 4.05 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: Energy Star, EPEAT*, RoHS
Post-consumer recycled plastic: 85%
Recyclable packaging material: 100 %
Specific Substances: PVC/BFR free housing

Compliance and standards

Regulatory Approvals: CB, CE Mark, South Africa Energy, EnergyStar, TUV/GS, TUV Ergo, TCO Certified, TCO Certified Edge, EAC, EAC ROHS, BSMI, UKCA, EMF, FCC, ICES-003, 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, Power cable
Monitor with stand
User Documentation



* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.

* Response time value equal to SmartResponse

* sRGB area based on CIE 1931; NTSC area based on CIE 1976

* EPEAT rating is valid only where Philips registers the product. Please visit <https://www.epeat.net/> for registration status in your country.

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

* The monitor may look different from feature images.