PHILIPS

LCD monitor

Business Monitor

3000 series

27" (68.5 cm)

2560 x 1440 (Quad HD)

27B2N3500J

Redefining workflow productivity

Speed through daily tasks in comfort with this monitor's SoftBlue technology, Quad HD resolution, and 120Hz refresh rate. Not to mention, SmartErgoBase adds an ergonomic touch to the monitor's feature list.

Designed for the way you work
- Built-in stereo speakers for multimedia
- Smart Link Sync: Matches primary display on second screen
- SmartErgoBase enables people-friendly ergonomic adjustments
- Eyesafe certified blue light protection and color accuracy
- Less eye fatigue with Flicker-free technology
- EasyRead mode for a paper-like reading experience
- SoftBlue Technology: for comfortable viewing
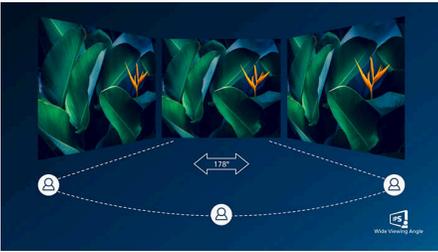
Easy to experience
- VESA mount for convenience
- HDMI ensures universal digital connectivity

Superb Picture Quality
- 120Hz refresh rates for ultra-smooth images
- IPS LED wide view technology for image and color accuracy
- Crystalclear images with Quad HD 2560 x 1440 pixels

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.

Crystalclear images

These Philips screens deliver Crystalclear, Quad HD 2560x1440 or 2560x1080 pixel images. Utilizing high performance panels with high density pixel count, enabled by high bandwidth sources, these new displays will make your images and graphics come alive. Whether you are 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.

120Hz Fast refresh

For gaming and video performance, you demand display with lag free, ultra-smooth images. This Philips display redraws the screen image up--to 120 times per second, much faster than a standard display. A lower frame rate can make enemies appear to jump from spot to spot on the screen, making them difficult targets to hit. With 120Hz frame rate, you get those critical missing images on the screen which shows enemy movement in ultra-smooth motion so you can easily target them.

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, the SoftBlue technology provides optimal visual comfort, minimizes 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. It can 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.

EasyRead mode

EasyRead mode for a paper-like reading experience

Highlights

eyesafe® CERTIFIED 2.0 (RPF 40)

The Philips display meets the eyesafe® CERTIFIED 2.0 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.

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.

Smart Link Sync Second Screen Harmony

When connected as a secondary monitor in a daisy-chain setup with a Smart Link Sync enabled primary display, brightness and color settings are automatically synchronized. There is no manual adjustments needed. Whether you're designing, presenting, or multitasking, enjoy seamless visual consistency across screens. Choose from OSD Sync or Light Sync modes (Low, Mid, or High) in the primary monitor to match your environment.

VESA mount for convenience

VESA mount for convenience

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).

Business Monitor

27B2N3500J/27

Specifications

Picture/Display

Panel Size: 27 inch / 68.6 cm
Aspect ratio: 16:9
LCD panel type: IPS technology
Backlight type: W-LED system
Pixel pitch: 0.2331x0.2331mm
Brightness: 350 cd/m²
Display colors: 16.7M (true 8 bits)
Color gamut (typical): sRGB 125% , NTSC 114% *
Contrast ratio (typical): 1500:1
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: 2560x1440@120Hz
Effective viewing area: 596.74(H) x 335.66(V) mm
Scanning Frequency: 30-190 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
EyeSafe
Smart Link Sync: When used as a secondary monitor only*

Connectivity

Signal Input: HDMI 2.0 x 2, DisplayPort 1.2 x 1
Sync Input: Separate Sync, Sync on Green
Audio (In/Out): Audio out
HDCP: HDCP 1.4 (HDMI / DisplayPort), HDCP 2.2 (HDMI / DisplayPort)
USB Hub: USB3.2, Gen1, 5G, Upstream: USB-B x1; Downstream: USB-A x4 (with x1 fast charge B.C 1.2)

Convenience

Built-in Speakers: 2W x 2
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

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

Power

ECO mode: 16.2 W (typ.)
Power supply: Built-in, 100-240VAC, 50-60Hz
Off mode: 0.3W (typ)
On mode: 21.7 W (typ.) (EnergyStar test method)
Standby mode: 0.3W (typ)
Power LED indicator: Operation - White, Standby mode- White (blinking)

Dimensions

Packaging in mm (WxHxD): 730 x 445 x 139 mm
Product without stand (mm): 615 x 361 x 46 mm
Product with stand(max height): 615 x 540 x 229 mm

Weight

Product with packaging (kg): 9.12 kg
Product with stand (kg): 6.23 kg
Product without stand (kg): 4.56 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: 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, TUV/GS, TUV Ergo, TCO Certified, EAC, EAC ROHS, UKCA, EMF, FCC, ICES-003, TÜV Rheinland Low Blue Light (Hardware Solution), eyesafe® CERTIFIED 2.0

Cabinet

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

* "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.
* This monitor supports Smart Link Sync only when used as a secondary monitor in a daisy-chain configuration, connected to a primary monitor that also supports Smart Link Sync.
* The products and accessories listed on this leaflet may differ by country and region.
* The monitor may look different from feature images.

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