

PHILIPS

4K UHD monitor
with USB-C docking

Business Monitor

3000 series

27" (68.6 cm)

3840 x 2160 (4K UHD)

27B1U3900



Daily routine simplified

This 27 inch monitor showcases beautiful imagery in 4K resolution and a 1.074 billion colour gamut. In addition, its USB-C connection allows you to easily connect peripherals during a busy workday.

Excellent performance

- IPS technology for full colours and wide viewing angles
- SmartImage pre-sets for easy optimised image settings
- UltraClear 4K UHD (3840 x 2160) resolution for precision
- 1.074 billion colours for smooth colour gradations and detail

Designed for the way you work

- Built-in stereo speakers for multimedia
- MultiView 4K for 4 systems on one screen
- SmartErgoBase enables user-friendly ergonomic adjustments
- DisplayPort connection for maximum visuals
- HDMI ensures universal digital connectivity
- Less eye fatigue with Flicker-Free technology
- LowBlue Mode for easy-on-the-eyes productivity
- TUV Eye Comfort certified to reduce eye fatigue

Single cable USB-C connection

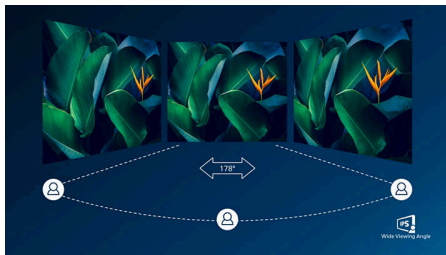
Highlights

USB-C connection



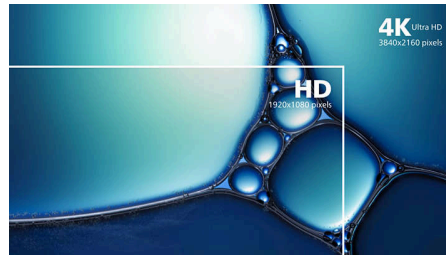
This Philips display features a USB type-C connector with power delivery. With intelligent and flexible power management, you can power charge your compatible device directly. Its slim, reversible USB-C allows for easy, one-cable connection. You can watch high-resolution video and transfer data at super speed, while powering up and recharging your compatible device at the same time.

IPS technology



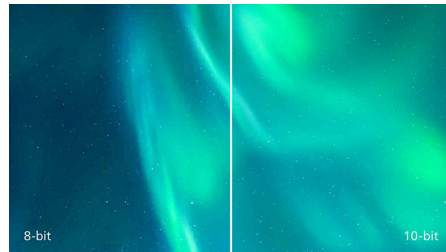
IPS displays use advanced technology that gives you extra-wide viewing angles of 178/178 degrees, making it possible to view the display from almost any angle — even in 90-degree Pivot mode! Unlike standard TN panels, IPS displays gives you remarkably crisp images with vivid colours, making it ideal not only for Photos, films and web browsing, but also for professional applications that demand colour accuracy and consistent brightness at all times.

UltraClear 4K UHD Resolution



These Philips displays utilise high-performance panels to deliver UltraClear, 4K UHD (3840 x 2160) resolution images. Whether you are a demanding professional requiring extremely detailed images for CAD solutions, a user of 3D graphics applications or a financial wizard working on huge spreadsheets, Philips displays will make your images and graphics come alive.

10-bit colours



The 10-bit display delivers rich colour depth with 1.074 billion colours and 12-bit internal processing for recreating smooth, natural colours without gradations and colour banding.

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!

DisplayPort connection



DisplayPort is a digital link from PC to monitor without any conversion. With higher capabilities than DVI standard, it is fully capable to support up to 15 metre cables and 10.8 Gbps/sec data transfer. With this high performance and zero latency, you get the fastest imaging and refresh rates — making DisplayPort the best choice for not only general office or home use, but also for the more demanding gaming and films, video editing and more. It also keeps interoperability in mind via the use of various adapters.

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).



USB-C



Wide Viewing Angle



Ultra HD



SmartImage®



HDMI™



Flicker-free



LowBlue Mode

Highlights

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



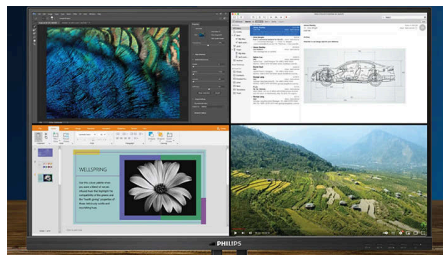
Studies have shown that just as ultra-violet rays can cause eye damage, shortwave-length blue light rays from LED displays can cause eye damage and affect vision over time. Developed for wellbeing, the Philips LowBlue Mode setting uses a smart software technology to reduce harmful shortwave blue light.

Built-in stereo speakers



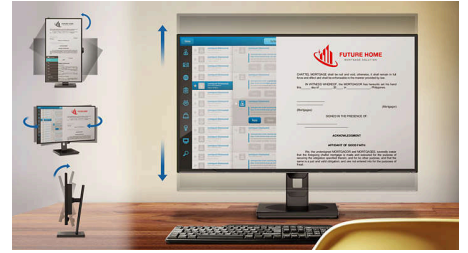
A pair of high-quality stereo speakers built into a display device. They may be visible front firing, or invisible down firing, top firing, rear firing etc. depending on model and design.

MultiView technology for 4K



Philips MultiView feature on this expansive 4K UHD display enables you to have up to four systems each shown in Full HD on one screen. You can use Picture-by-Picture (PbP) to monitor four systems on one screen for control rooms or security. Or for multiple devices like two notebooks side-by-side simultaneously, making collaboration more productive. Or Picture-in-Picture mode (PiP) watching a live football feed from your set-top box, while working on your PC.

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.

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.



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: 0.1554 x 0.1554 mm

Optimum resolution: 3840 x 2160@60 Hz

Brightness: 350 cd/m²

Display colours: 1.07 B (8 bits+FRC)*

Colour gamut (typical): sRGB 99.9%, NTSC 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

Effective viewing area: 596.736 (H) x 335.664 (V)

Scanning Frequency: 30–140 kHz (H)/23–75 Hz (V)

sRGB

Flicker-free

Pixel Density: 163

LowBlue Mode

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

EasyRead

Connectivity

Signal Input: HDMI 2.0 x 2, DisplayPort 1.4 x 1, USB-C x 1 (upstream, DP Alt mode, Data, PD up to 90 W)

Sync Input: Separate Sync, Sync on Green

Audio (In/Out): Audio out

RJ45: Ethernet LAN (USB 2.0: 10 M/100 M; USB 3.2: 1 G)

HDCP: HDCP 1.4 (HDMI/DisplayPort/USB-C), HDCP 2.2 (HDMI/DisplayPort/USB-C)

HBR3

USB Hub: USB3.2, Gen1, 5G, Upstream: USB-C x 1 (Data); Downstream: USB-A x 3 (with x 1 fast charge B.C 1.2)

Power Delivery

Max power delivery: 90 W (5 V/3 A, 7 V/3 A, 9 V/3 A, 10 V/3 A, 12 V/3 A, 15 V/3 A, 20 V/4.5 A)

Version: USB PD version 3.0

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

MultiView: PIP/PBP mode, 2 x devices

Stand

Height adjustment: 130 mm

Pivot: -/+90 degree

Swivel: -/+ 180 degree

Tilt: -5/25 degree

Power

ECO mode: 20.2 W (typ.)

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

Off mode: 0.3 W (typ.)

On mode: 25.3 W (typ.) (Energy Star test method)

Standby mode: 0.3 W (typ.)

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

Energy Label Class: F

Dimensions

Packaging in mm (W x H x D): 730 x 471 x 193 mm

Product without stand (mm): 613 x 366 x 54 mm

Product with stand (max height):

613 x 524 x 205 mm

Weight

Product with packaging (kg): 10.10 kg

Product with stand (kg): 6.65 kg

Product without stand (kg): 4.75 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 8.0, 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, EnergyStar, ETL, CEC, TUV/GS, TUV Ergo, TCO Certified, EAC, EAEU RoHS, UKCA, EMF, FCC, ICES-003

Cabinet

Finish: Texture

Foot: Black

Front bezel: Black

Rear cover: Black

What's in the box?

Cables: HDMI cable, DisplayPort cable, USB-C to C 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.

* At a maximum resolution of 3840 x 2160, 10 bit colour depth can only be reached at 60 Hz with a DisplayPort connection. For more information, please check the user manual.

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

* The monitor may look different from feature images.