

Philips Business Monitor
4K UHD monitor with
USB-C docking

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

PHILIPS

4K UHD monitor with USB-C docking
3000 series 27" (68.6 cm), 3840 x 2160 (4K UHD)

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Highlights

USB-C connection



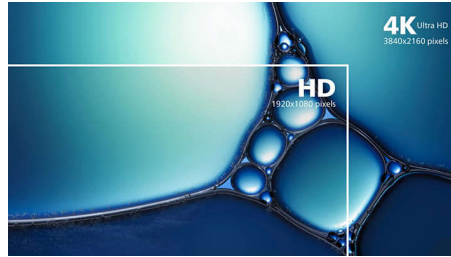
This Philips display features a USB type-C connector with power delivery. With intelligent and flexible power management, you can power charge your compatible device directly. Its slim, reversible USB-C allows for easy, one-cable connection. You can watch high-resolution video and transfer data at super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

IPS technology



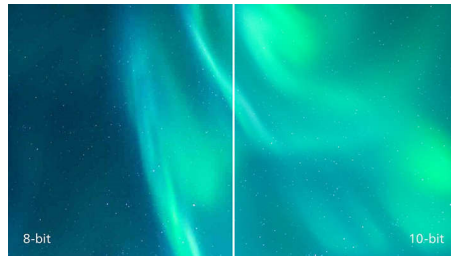
IPS displays use advanced technology that gives you extra-wide viewing angles of 178/178 degrees, making it possible to view the display from almost any angle — even in 90-degree Pivot mode! Unlike standard TN panels, IPS displays gives you remarkably crisp images with vivid colours, making it ideal 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



IPS
Wide Viewing
Angle



4K
Ultra HD



SmartImage®



HDMI
HIGH DEFINITION MULTIMEDIA INTERFACE



Flicker-free



LowBlue Mode



Built-in Speaker

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, Energy Star 8.0, ETL, CEC, TUV/GS, TUV Ergo, TCO 10.0, TCO Certified Edge, 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



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Version: 3.3.1

EAN: 87 21038 00125 9

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or their respective owners.

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* "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.