

# 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 color gamut. In addition, its USB-C connection allows you to easily connect peripherals during a busy workday.

### Excellent performance

- IPS technology for full colors and wide viewing angles
- SmartImage presets for easy optimized image settings
- UltraClear 4K UHD (3840x2160) resolution for precision
- 1.074 billion colors for smooth color 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 people-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

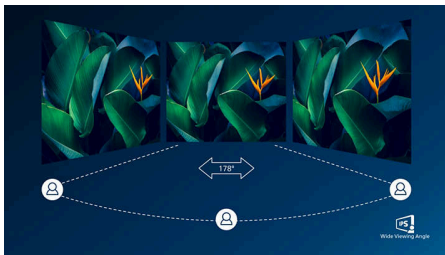
## Highlights

### Built in USB-C docking station



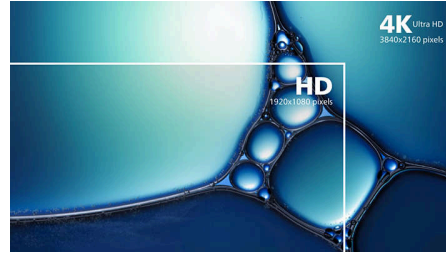
This Philips display features a built-in USB type-C docking station with power delivery. Its slim, reversible USB-C connector allows for easy, one-cable docking. Simplify by connecting all your peripherals like keyboard, mouse and your RJ-45 Ethernet cable to the monitor's docking station. Simply connect your notebook and this monitor with a single USB-C cable to watch high-resolution video and transfer super-speed data, while powering up and re-charging your notebook at the same time.

### IPS technology



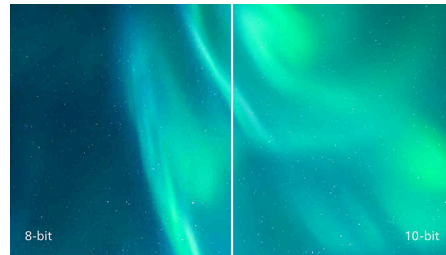
IPS displays use an advanced technology which gives you extra wide viewing angles of 178/178 degree, making it possible to view the display from almost any angle - even in 90 degree Pivot mode! Unlike standard TN panels, IPS displays gives you remarkably crisp images with vivid colors, making it ideal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

### UltraClear 4K UHD Resolution



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

### 10-bit colors



The 10-bit display delivers rich color depth with 1.074 billion colors and 12-bit internal processing for re-creating smooth, natural colors without gradations and color banding.

### SmartImage



SmartImage is an exclusive leading edge Philips technology that analyzes the content displayed on your screen and gives you optimized 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 optimizes the contrast, color saturation and sharpness of images and videos for ultimate display performance. The Economy mode option offers you major power savings. All in real time with the press 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 15meter 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 demanding gaming and movies, video editing and more. It also keeps interoperability in mind via use of various adapters.

### 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).



## 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



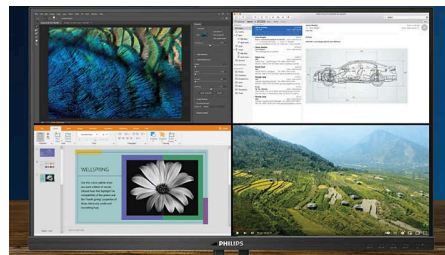
Studies have shown that just as ultra-violet rays can cause eye damage, shortwave length blue light rays from LED displays can cause eye damage and affect vision over time. Developed for wellbeing, Philips LowBlue Mode setting uses a smart software technology to reduce harmful shortwave blue light.

### Built-in stereo speakers



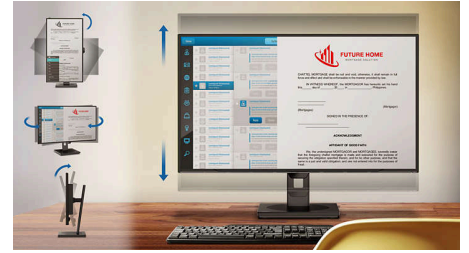
A pair of high quality stereo speakers built into a display device. It can be visible front firing, or invisible down firing, top firing, rear firing, etc depending on model and design.

### 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 the Picture-by-Picture (PbP) for monitoring 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 display 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, wide viewing angle and less reduction of image quality from different angles and ergonomic stand designs for ideal viewing experience. Keep your eyes healthy and boost work productivity.





## 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:** 0.1554x0.1554mm  
**Optimum resolution:** 3840x2160@60Hz  
**Brightness:** 350 cd/m<sup>2</sup>  
**Display colors:** 1.07B (8 bits+FRC)\*  
**Color gamut (typical):** sRGB 116.29% , NTSC 101.57% \*  
**Contrast ratio (typical):** 1000:1  
**SmartContrast:** 50,000,000:1  
**Response time (typical):** 4 ms (Gray to Gray)\*  
**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 - 114 kHz (H) / 48 - 75 Hz (V)  
**sRGB**  
**Flicker-free**  
**Pixel Density:** 163 PPI  
**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 90W)  
**Sync Input:** Separate Sync  
**Audio (In/Out):** Audio out  
**RJ45:** Ethernet LAN (USB 2.0: 10M/100M; USB 3.2: 1G)  
**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 x1 (Data); Downstream: USB-A x3 (with x1 fast charge B.C 1.2)

### Power Delivery

**Max power delivery:** 90W (5V/3A, 7V/3A, 9V/3A, 10V/3A, 12V/3A, 15V/3A, 20V/4.5A)  
**Version:** USB PD version 3.0

### Convenience

**Built-in Speakers:** 2W x 2  
**Plug & Play Compatibility:** DDC/CI, Mac OS X, sRGB, Windows 11 / 10

**User convenience:** SmartImage, Input, User, 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  
**MultiView:** PIP/PBP mode, 2x 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, 100-240VAC, 50-60Hz  
**Off mode:** 0.3W (typ.)  
**On mode:** 25.3W (typ.) (EnergyStar test method)  
**Standby mode:** 0.3 W (typ.)  
**Power LED indicator:** Operation - White, Standby mode- White (blinking)

### Dimensions

**Packaging in mm (WxHxD):** 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: +12,000ft (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, 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



\* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.  
\* Response time value equal to SmartResponse  
\* Adobe RGB and DCI-P3 Coverage based on CIE1976, sRGB Area based on CIE1931, NTSC Area based on CIE1976.  
\* 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 color depth can only be reached at 60Hz 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.