PHILIPS

LCD monitor with USB-C

Business Monitor

4000 series

27" (68.5 cm)

2560 x 1440 (Quad HD)

27B2U4601H

Redefining workflow productivity

Work comfortably with SoftBlue technology and a smooth 120Hz refresh rate. USB-C connectivity and an adjustable Windows Hello compatible webcam enhance productivity with the performance and convenience you expect.

Designed for the way you work

- Built-in stereo speakers for multimedia
- Windows Hello Compatible – Seamless, Secure Access
- Smart Link Sync: for uniform daisy-chained displays
- Eyesafe certified blue light protection and color accuracy
- Adjustable Webcam: for video conferencing in comfort.
- SoftBlue Technology: for comfortable viewing

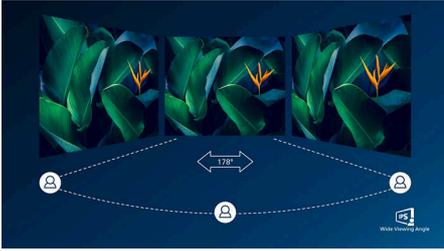### Single cable USB-C connection

- RJ-45 to USB-C gives easy network connection with security

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.

Smart Link Sync

Easily create a seamless multi-monitor workspace with Smart Link Sync, designed to automatically align display settings across daisy-chained monitors. Whether you're designing, presenting, or multitasking, enjoy consistent brightness and color without manual tweaks. Choose from OSD Sync or Light Sync modes (Low, Mid, or High) on the primary monitor to match your environment. For identical monitors, any mode ensures uniform visuals; for mixed models, Light Sync intelligently adjusts luminance for a balanced, professional look across screens.

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.

| IPS Wide Viewing Angle | Quad HD | 120Hz | SoftBlue Technology | Built-in Speaker | eyesafe CERTIFIED RPF 40 | USB-C Docking | HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE |

Highlights

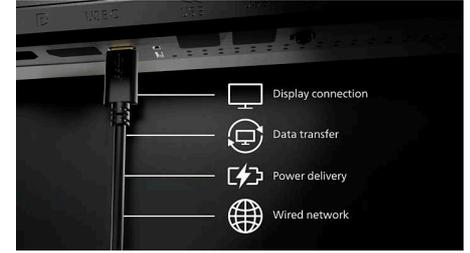### Adjustable Webcam

30° forward | **30° backward**

Level up the comfort of video conferencing with this feature. By adjusting the webcam back and forth by 30 degrees, users can now comfortably call and attend meetings from any position that best suits them.

Windows Hello Compatible

Log in faster and more securely with Windows Hello. The webcam on this Philips monitor is compatible with Windows Hello, offering quick facial recognition and effortless access - every time you power on.

USB-C Docking with RJ45

Display connection
Data transfer
Power delivery
Wired network

Simplify all peripherals from monitor to PC using one-cable-docking USB Type-C connector, includes networking, high resolution video output from PC to monitor, and surfing on Internet without an additional network cable, even without LAN port on your notebook. RJ45 connection through USB-C offers a fast and secure connection when needed. Getting the fastest data speeds allows you to transfer data from a HDD to your PC faster than ever. Additionally, USB-C with power delivery can even enable you to power and charge your notebook from the monitor, eliminating the need for extra power cables.

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 colors: 16.7M (True 8 bits)
Color gamut (typical): NTSC 102%*, sRGB 113%*
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(HDMI/DP/USBC)*
Effective viewing area: 596.74(H)x335.66(V) mm
Scanning Frequency: 30-230 KHz (H) / 48 -120 Hz (V)
sRGB
SoftBlue
Flicker-free
Pixel Density: 109 PPI
Display Screen Coating: Anti-Glare, 3H, Haze 25%
EasyRead
Adaptive sync
EyeSafe
Smart Link Sync: When used as a primary or secondary monitor*

Connectivity

Signal Input: HDMI 2.1 TMDS x1, DisplayPort 1.4 x 1, USB-C x 1 (upstream, DP Alt mode, Data, PD)
Sync Input: Separate Sync, Sync on Green

Audio (In/Out): Audio out
RJ45: Ethernet LAN up to 1G*
Signal Output: DisplayPort out x 1
HDCP: HDCP 1.4 (HDMI / DisplayPort / USB-C), HDCP 2.3 (HDMI / DisplayPort / USB-C)
HBR3: HBR 3 (DisplayPort / USB-C)
USB Hub: USB3.2, Gen1, 5G, upstream: 1x USB-C1 (Full), downstream: USB-A x3 (with x1 fast charge B.C 1.2),USB-C2 x1 (data, 15W)

Power Delivery

Max power delivery: Up to 100W (5V/3A, 7V/3A, 9V/3A, 10V/3A, 12V/3A, 15V/3A, 20V/3.25A, 20V/4.8A)*
Version: USB PD version 3.0

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
Built-in webcam: 5.0 megapixel camera with microphone and LED indictor (for Windows Hello)
Webcam tilt function: Yes, -/+30 degree
Noise cancellation

Stand

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

Power

ECO mode: 15.2 W(typ.)
Power supply: Built-in, 100-240VAC, 50-60Hz
Off mode: Zero watts with AC switch
On mode: 21.12 W (typ.) (EnergyStar test method)
Standby mode: 0.3 W (typ.)
Power LED indicator: Operation - White, Standby mode- White (blinking)
Energy Label Class: D

Dimensions

Packaging in mm (WxHxD): 730 x 445 x 139 mm
Product without stand (mm): 614 x 371 x 65 mm
Product with stand(max height): 614 x 543 x 235 mm

Weight

Product with packaging (kg): 10.01 kg
Product with stand (kg): 7.25 kg
Product without stand (kg): 5.50 kg

Specifications

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: PowerSensor, LightSensor, Energy Star, EPEAT*, RoHS

Post consumer recycled plastic: 85%+OBP 5%

Recyclable packaging material: 100 %

Specific Substances: Mercury free, PVC / BFR free housing

Compliance and standards

Regulatory Approvals: CB, CE Mark, Morocco Certification, Argentina Type Certification, Kuwait TER, South Africa Energy, NOM, MEXICO ENERGY, ETL, CEC, TUV/GS, TUV Ergo, TCO Certified, TCO Certified Edge, EAC, EAC ROHS, MEPS, PSB, KC, Korea MEPS, CEL, CCC, CECP, KCC, BSMI, VCCI, UKCA, EMF, FCC, ICES-003, PSE, TÜV Rheinland Low Blue Light (Hardware Solution), eyesafe® CERTIFIED 2.0

Warranty: 5 years

Cabinet

Finish: Texture

Foot: Silver

Front bezel: Charcoal

Rear cover: Charcoal

* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.
* Response time value equal to SmartResponse
* sRGB Area based on CIE1931, NTSC Area based on CIE1976.
* The power delivery of this display is up to 100 W (96 W in typical), the maximum power delivery will depend on your device.
* For Video transmission via USB-C, your Notebook/device must support USB-C DP Alt mode
* Activities such as screen sharing, on-line streaming video and audio over the Internet can impact your network performance. Your hardware, network bandwidth and its performance will determine overall audio and video quality.
* For USB-C power and charging function, your Notebook/device must support USB-C standard Power Delivery specifications. Please check with your Notebook user manual or manufacturer for more details.
* If your Ethernet connection seems slow, please enter OSD menu and select USB 3.0 or higher version which can support the LAN speed to 1G.
* When USB-C is set to High Resolution mode, the maximum supported resolution is 2560x1440@120Hz.
* When calculating energy costs saving from PowerSensor, both USB and Power delivery are excluded.
* 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.
* For Smart Link Sync to function properly, all daisy-chained monitors must be compatible with Smart Link.
* The monitor may look different from feature images.
* The products and accessories listed on this leaflet may differ by country and region.

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