

PHILIPS

4K OLED monitor

Monitor

8000 series

27 (26.9"/68.4 cm diag.)

3840 x 2160 (4K UHD)

27E1N8900



Uncompromised visuals, exceptional details

This Philips OLED monitor is designed for professionals. UltraClear 4K UHD with DisplayHDR 400 TrueBlack certification delivers stunning and precise colour reproduction. 99% AdobeRGB takes your creation experience to the next level.

Features designed for you

- MultiView enables simultaneous dual connection and view
- LowBlue mode and Flicker-free easy-on-the eyes viewing
- SmartErgoBase enables user-friendly ergonomic adjustments
- Built-in KVM switch to easily switch between sources
- Colour space mode options to fit your needs and work
- Eyesafe-certified blue light protection and colour accuracy

Single cable USB-C connection

- Connect your notebook with one USB-C cable

Superb Picture Quality

- Pro colour standards 99% AdobeRGB, 99% DCI-P3
- UltraClear 4K UHD (3840 x 2160) resolution for precision
- Ultra Wide-Color wider range of colours for a vivid picture
- DisplayHDR™ True Black 400 delivers incredible shadow details
- OLED display for lifelike visuals with deeper black details

Monitor

4K OLED monitor

27E1N8900/01

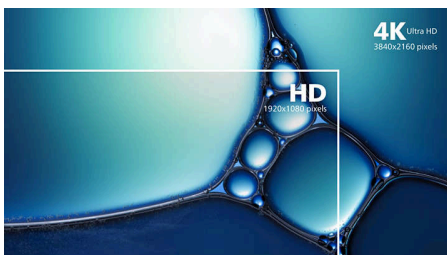
Highlights

Philips OLED display



This Philips OLED display delivers a wider viewing angle and uniquely lifelike visuals. Deeper black for a stunning viewing experience. Details in shadows and highlights are precisely reproduced.

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.

DisplayHDR™ True Black 400

This Philips monitor is certified with VESA DisplayHDR™ True Black 400, delivering stunningly accurate shadow details with deeper blacks for a remarkable visual experience compared with conventional monitors of the same peak luminance. This Philips monitor comes with several HDR modes, each optimised for your usage scenarios: HDR Game, HDR Movie, HDR Photo and VESA DisplayHDR-certified level.

99% AdobeRGB and DCI-P3

Different types of creators require different colour spaces and need to know that the colours they see on screen are correctly represented.

With these colour gamut spaces, professionals have access to the wide range of colours they need to produce their best work. Meeting professional industry-standard colour, this Philips monitor offers 99% AdobeRGB and 99% DCI-P3 colour spectrum. The enhanced colour rendering range of Adobe RGB makes it ideal for professional photo and video editing, animation or work with colour-critical projects. You can now be confident that your colour is consistent and true to the original image.

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.

TUV Rheinland Eyesafe



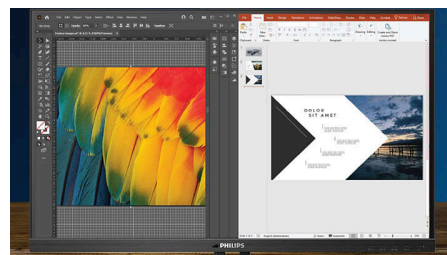
Philips display meets the TUV Rheinland Eyesafe® standard to truly protect you from long exposure to blue light. The always-on blue light filter not only helps reduce digital eye strain, but also guarantees colour integrity.

LowBlue Mode and Flicker-free



Our LowBlue Mode and Flicker-free technology have been developed to reduce eye strain and fatigue often caused by long hours in front of a monitor.

Multiview technology



With the ultra-high resolution Philips MultiView display, you can now experience a world of connectivity. MultiView enables active dual connect and view so that you can work with multiple devices like a PC and notebook simultaneously, for complex multitasking.

Multiple colour space modes

This Philips monitor provides colour in the RGB colour model with the following colour space modes. Choose the appropriate colour space mode to properly display the content you are viewing: sRGB: Most personal computer applications and games, Internet and web design. Adobe RGB: Graphics applications. NTSC: Analogue video. Rec. 709: HD videos. Rec. 2020: UHD videos. DCI-P3: Digital cinema projectors, some films and games, and Apple products. Photography. D-mode: DICOM mode, enhances greyscale level performance.



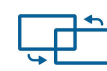
99% Adobe RGB



LowBlue Mode



Multiview



MultiClient Integrated KVM

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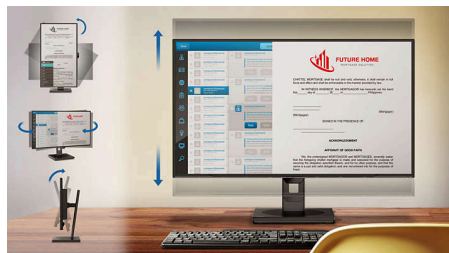
Highlights

MultiClient Integrated KVM



With the MultiClient Integrated KVM switch, you can control two separate PCs with one monitor-keyboard-mouse setup. A convenient button allows you to quickly switch between sources. Handy with setups that require dual PC computing power or sharing one large monitor to show two different PCs.

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.

Ultra Wide-Color Technology



Ultra Wide-Color Technology delivers a wider spectrum of colours for a more brilliant picture. The Ultra Wide-Color wider "colour gamut" produces more natural-looking greens, vivid reds and deeper blues. Bring media entertainment, images and even productivity more alive with vivid colours from Ultra Wide-Color Technology.



LowBlue Mode

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Specifications

Picture/Display

Panel Size: 26.9 inch/68.4 cm
Aspect ratio: 16:9
Monitor Panel Type: OLED
Pixel pitch: 0.15525 x 0.15525 mm
Optimum resolution: 3840 x 2160 @ 60 Hz
Brightness: Full White Luminance: 250 cd/m²;
Peak White Luminance: 540 cd/m²
Display colours: 1.07B (10 bits)
Colour gamut (typical): NTSC 119%*, sRGB 150%*, Adobe RGB 99.6%*
Colour gamut (min.): DCI-P3 99.7%*
Contrast ratio (typical): 1,000,000:1
SmartContrast: Mega Infinity DCR
Response time (typical): 0.1 ms (Tr + Tf)
Viewing angle: 178° (H)/178° (V), @ C/R > 10
Picture enhancement: SmartImage
Effective viewing area: 596.16 (H) x 335.34 (V)
Scanning Frequency: 30–140 kHz (H)/23–60 Hz (V)
sRGB
Surface treatment: Haze: 7%, Hardness >= 2H
Delta E: < 1
Flicker-free
Pixel Density: 163.78 PPI
LowBlue Mode
SmartUniformity: 93 ~ 105%
EasyRead
HDR: DisplayHDR True Black 400 certified

Connectivity

Signal Input: HDMI 2.0 x 2, DisplayPort 1.4 x 1, USB-C 3.2 Gen 1 x 1 (upstream, Power Delivery up to 90 W)
Sync Input: Separate Sync
Audio (In/Out): Audio out
USB:: USB-B x 1, USB 3.2 x 4 (downstream with 2 fast charge B.C 1.2)
HDCP: HDCP 1.4 (HDMI/DisplayPort/USB-C), HDCP 2.2 (HDMI/DisplayPort/USB-C)
HBR3

USB

Power delivery: USB PD version 3.0
Super speed: Data and Video transfer
DP: Built-in Display Port Alt mode
USB-C max. power delivery: Up to 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)
USB-C: Reversible plug connector

Convenience

Plug and Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 11/10/8.1/8/7
User convenience: Power On/Off, Menu, Input, SmartImage, Colour Space
OSD Languages: Brazil Portuguese, Czech, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese, Turkish, Ukrainian
Other convenience: Kensington lock, VESA mount (100 x 100 mm)
MultiView: PBP (2 x devices)
KVM

Stand

Height adjustment: 130 mm
Pivot: + 90 degree
Swivel: -/+ 175 degree
Tilt: -5/20 degree

Power

Power supply: External, 100–240 VAC, 50–60 Hz
Off mode: 0.3 W (typ.)
On mode: 26.49 W (typ.) (EnergyStar test method)
Standby mode: 0.5 W (typ.)
Power LED indicator: Operation - White, Standby mode - White (flashing)
Energy Label Class: F

Dimensions

Packaging in mm (W x H x D):
780 x 480 x 161 mm
Product without stand (mm): 626 x 373 x 40 mm
Product with stand (max height):
626 x 536 x 218 mm

Weight

Product with packaging (kg): 9.89 kg
Product with stand (kg): 5.51 kg
Product without stand (kg): 3.83 kg

Operating conditions

Altitude: Operation: +12,000 ft (3658 m), Non-operation: +40,000 ft (12,192 m)
Temperature range (operation): 0 to 40 °C
MTBF: 70 000 hour(s)
Relative humidity: 20%-80 %
Temperature range (storage): -20 to 60 °C

Sustainability

Environmental and energy: Energy Star 8.0, EPEAT*, TCO Certified Edge, RoHS
Recyclable packaging material: 100 %
Specific Substances: Mercury free, PVC/BFR free housing

Compliance and standards

Regulatory Approvals: CB, CE Mark, FCC Class B, ICES-003, cETLus, TUV Eyesafe certified, TUV Flicker-Free certified, CU-EAC, EAEU RoHS, SEMKO, TUV/ISO9241-307, TUV-BAUART

Cabinet

Colour: Black
Finish: Textured

What's in the box?

Cables: HDMI cable, USB-C to USB-C cable, Power cable
Monitor with stand
User Documentation



* DCI-P3 Coverage based on CIE1976

* NTSC Area based on CIE 1976

* sRGB Area based on CIE1931

* Adobe RGB Coverage based on CIE 1976

* 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.

* For Video transmission via USB-C, your Notebook/device must support USB-C DP Alt mode

* EPEAT rating is valid only where Philips registers the product. Please visit <https://www.epeat.net/> for registration status in your country.

* The monitor may look different from feature images.