Philips Monitor
4K OLED 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. True 10-bit and 99% AdobeRGB take your creation experience to the next level.

Single cable USB-C connection
• Connect your notebook with one USB-C cable

Superb Picture Quality
• OLED display for lifelike visuals with deeper black details
• UltraClear 4K UHD (3840 x 2160) resolution for precision
• DisplayHDR™ True Black 400 delivers incredible shadow details
• Ultra Wide-Color wider range of colours for a vivid picture
• Pro colour standards 99% AdobeRGB, 99% DCI-P3
• True 10-bit display reproduces smoother gradients on visuals

Features designed for you
• LowBlue mode and Flicker-free easy-on-the eyes viewing
• MultiView enables simultaneous dual connection and view
• Colour space mode options to fit your needs and work
• Built-in KVM switch to easily switch between sources
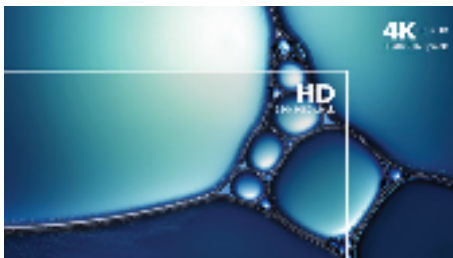• SmartErgoBase enables user-friendly ergonomic adjustments

PHILIPS

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.

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.

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.

True 10-bit colour depth

With this Philips true 10-bit colour display, you can see colour-critical professional work of exceptional colour accuracy that meets professional standards. Compared with conventional 8-bit colour displays, this Philips monitor produces a more natural transition between hues for smoother gradients.
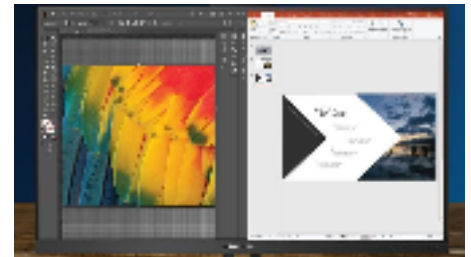
USB-C connection

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.

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.

Specifications

Picture/Display
- Monitor Panel Type: OLED
- Panel Size: 26.9 inch/68.4 cm
- Effective viewing area: 596.16 (H) x 335.34 (V)
- Surface treatment: Haze: 7%, Hardness >= 2H
- Aspect ratio: 16:9
- Optimum resolution: 3840 x 2160 @ 60 Hz
- Pixel Density: 163.78 PPI
- Response time (typical): 0.1 ms (Tr + Tf)
- Brightness: Full White Luminance: 250 cd/m2; Peak White Luminance: 540 cd/m²
- Contrast ratio (typical): 1,000,000:1
- SmartContrast: Mega Infinity DCR
- Pixel pitch: 0.15525 x 0.15525 mm
- Viewing angle: 178° (H)/178° (V), @ C/R > 10
- Picture enhancement: SmartImage
- Display colours: 1.07B (True 10-bit)
- Colour gamut (min.): DCI-P3 99.7%*
- Colour gamut (typical): NTSC 119%*, sRGB 100%*, Adobe RGB 99.6%*
- HDR: DisplayHDR True Black 400 certified
- Scanning Frequency: 30–140 kHz (H) / 23–60 Hz (V)
- Flicker-free
- SmartUniformity: 93 ~ 105%
- Delta E: < 1
- LowBlue Mode
- EasyRead
- sRGB

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)
- 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
- Sync Input: Separate Sync
- Audio (In/Out): Audio out

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

Convenience
- MultiView: PBP (2 x devices)
- KVM
- 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)
- Plug and Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 11 / 10 / 8.1 / 8 / 7

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

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

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

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

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

Sustainability
- Environmental and energy: EnergyStar 8.0, RoHS
- Recyclable packaging material: 100 %
- Specific Substances: Mercury free, PVC/BFR free housing

Compliance and standards
- Regulatory Approvals: CCC, CB, CE Mark, FCC Class B, ICES-003, cETLus, TUV Eyesafe certified, TUV Flicker-Free certified

Cabinet
- Colour: Black
- Finish: Textured

Design
- Designed in Amsterdam, NL

* DCI-P3 Coverage based on CIE1976
* NTSC Area based on CIE 1976
* sRGB Coverage 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
* The monitor may look different from feature images.