PHILIPS

LCD monitor with USB-C docking

Monitor

P Line

27" (68.6 cm)

3840 x 2160 (4K UHD)

279P1

Master every task in a crisp view

This Philips monitor offers 90W power delivery and a simple laptop docking solution. View UHD images, recharge a laptop and stay connected to Ethernet, all at the same time with a single USB-C cable. Eye comfort with TUV certification to reduce eye fatigue.

Single cable USB-C connection
- Built-in RJ-45 Ethernet gives data security
- USB-C enables laptop power charging directly from a monitor
- USB 3.2 high-speed data transfer

Designed for the way you work
- SmartErgoBase enables user-friendly ergonomic adjustments
- Less eye fatigue with Flicker-Free technology
- LowBlue Mode for easy-on-the-eyes productivity
- EasyRead mode for a paper-like reading experience
- TUV Eye Comfort certified to reduce eye fatigue
- UltraClear 4K UHD (3840 x 2160) resolution for precision

Sustainable Eco-design
- PowerSensor saves up to 80% energy costs
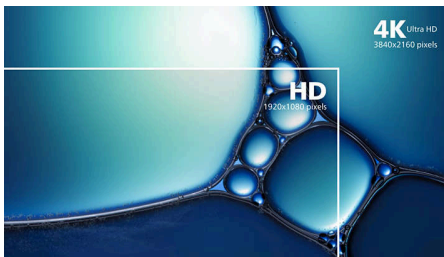- LightSensor for the perfect brightness with minimal power

Highlights

USB Type-C connection

This Philips display features a built-in USB type-C docking station with power delivery. With intelligent and flexible power management, you can power charge your compatible* laptop directly. 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. You can watch high-resolution video and transfer data at super-speed, while powering up and re-charging your notebook at the same time.

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.

TUV Rheinland Eye Comfort

Philips displays 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, a wide viewing angle, less reduction of image quality from different angles and ergonomic stand designs for an ideal viewing experience. Keep your eyes healthy and boost work productivity.
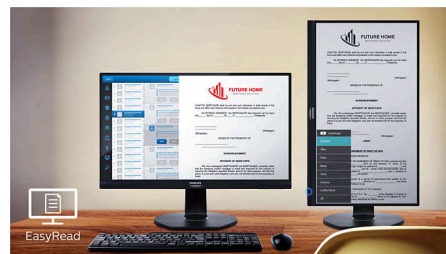
Flicker-Free technology

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.
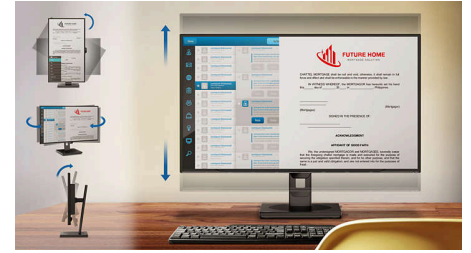
LowBlue Mode

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, the Philips LowBlue Mode setting uses a smart software technology to reduce harmful shortwave blue light.
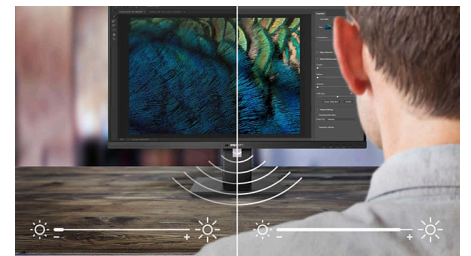
EasyRead mode

EasyRead mode for a paper-like reading experience
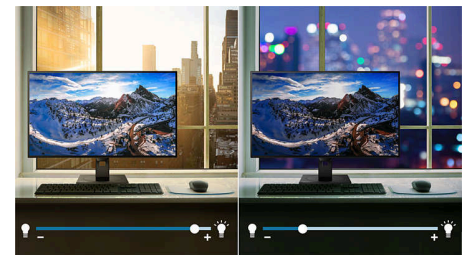
SmartErgoBase

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.

PowerSensor

PowerSensor is a built-in 'people sensor' that transmits and receives harmless infrared signals to determine if the user is present and then automatically reduces monitor brightness when then user steps away from the desk, cutting energy costs by up to 80 percent and prolonging monitor life

LightSensor

LightSensor uses a smart sensor to adjust the picture brightness depending on the light conditions in the room for the perfect picture with minimal power usage.

4K Ultra HD | Flicker-free | LowBlue Mode | EasyRead | SmartErgo Base | PowerSensor | LightSensor

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
Brightness: 350 cd/m²
Display colours: Colour support 1.07 billion colours
Colour gamut (typical): NTSC 93%*, sRGB 112%*
Contrast ratio (typical): 1000:1
SmartContrast: 50,000,000:1
Response time (typical): 4 ms (Grey to Grey)*
Viewing angle: 178º (H)/178º (V), @ C/R > 10
Picture enhancement: SmartImage
Maximum resolution: 3840 x 2160 @ 60 Hz*
Effective viewing area: 596.736 (H) x 335.664 (V)
Scanning Frequency: 30–140 kHz (H)/23–60 Hz (V)
sRGB
Delta E: < 2 (sRGB)
Flicker-free
Pixel Density: 163 PPI
LowBlue Mode
Display Screen Coating: Anti-Glare, 3H, Haze 25%
SmartUniformity: 97 ~ 102%
EasyRead

Connectivity

Signal Input: DisplayPort 1.4 x 1, HDMI 2.0 x 2, USB-C 3.2 Gen 2 x 1 (upstream, power delivery up to 90 W)
Sync Input: Separate Sync
Audio (In/Out): Audio out
RJ45: Ethernet LAN (10 M/100 M/1 G)*, Wake on LAN
USB:: USB-C x 1 (upstream), USB 3.2 x 4 (downstream with 1 fast charge B.C 1.2)
HDCP: HDCP 2.2 (HDMI/DP/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

Built-in Speakers: 3 W x 2
Plug and Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 10/8.1/8/7
User convenience: SmartImage, Input, PowerSensor, 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

Stand

Height adjustment: 150 mm
Pivot: -/+90 degree
Swivel: -/+ 180 degree
Tilt: -5/35 degree

Power

ECO mode: 20.9 W (typ.)
Power supply: Built-in, 100–240 VAC, 50–60 Hz
Off mode: Zero watts with Zero switch
On mode: 25.9 W (typ.) (EnergyStar test method)
Standby mode: 0.3 W
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 537 x 225 mm

Weight

Product with packaging (kg): 11.20 kg
Product with stand (kg): 7.52 kg
Product without stand (kg): 5.73 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 °C
Relative humidity: 20%-80 %
Temperature range (storage): -20°C to 60°C °C
MTBF (demonstrated): 70,000 hrs (excluded backlight)

Sustainability

Environmental and energy: PowerSensor, LightSensor, Energy Star 8.0, EPEAT*, TCO Certified Edge, RoHS
Post-consumer recycled plastic: 85%
Recyclable packaging material: 100 %
Specific Substances: Mercury free, PVC/BFR free housing

Compliance and standards

Regulatory Approvals: cETLus, CB, TUV/GS, TUV Ergo, SEMKO, CU-EAC, EAEU RoHS, CE Mark, UKRAINIAN, FCC Class B, ICES-003, TUV Eye Comfort certified

Cabinet

Finish: Texture
Foot: Black
Front bezel: Black
Rear cover: Black

What's in the box?

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

* The maximum resolution works for either USB-C, DP or HDMI input.
* Response time value equal to SmartResponse
* NTSC Area based on CIE 1976
* sRGB Area based on CIE1931
* For Video transmission via USB-C, your Notebook/device must support USB-C DP Alt mode
* Activities such as screen sharing and online streaming over the Internet can impact your network performance. Your hardware and network bandwidth will determine the 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 the OSD menu and select USB 3.0 or a higher version that can support the LAN speed up to 1G.
* 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.

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