PHILIPS

LCD monitor with USB-C docking

Brilliance

P Line

32 (31.5"/80 cm diag.)

3840 x 2160 (4K UHD)

329P1H

Master every task in a crisp view

Philips USB-C docking display for a comprehensive solution. View UltraClear 4K UHD and re-charge a laptop up to 90 W at the same time with a single USB-C cable. The pop-up webcam delivers performance and convenience.

Single cable USB-C connection

- Built-in RJ-45 Ethernet gives data security
- USB-C enables laptop power charging directly from a monitor

Designed for the way you work

- Secure sign-in with pop-up webcam
- 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
- IPS technology for full colours and wide viewing angles

Sustainable Eco-design

- PowerSensor saves up to 80% energy costs
- LightSensor for the perfect brightness with minimal power
- Designed to meet environmental standards

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Highlights

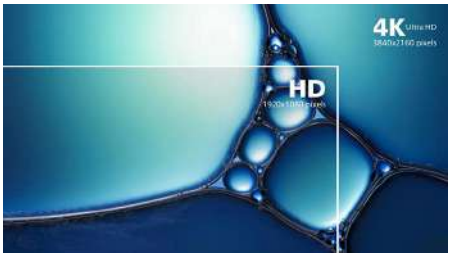
USB Type-C connection

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.

Flicker-Free technology

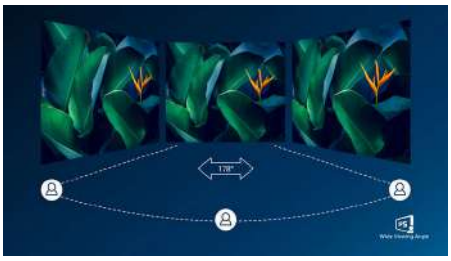
Due to the way brightness is controlled on LED-backlit screens, some users experience flicker on their screen which causes eye fatigue. Philips Flicker-Free technology applies a new solution to regulate brightness and reduce flicker for more comfortable viewing.

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.

IPS technology



IPS displays use advanced technology that gives you extra-wide viewing angles of 178/178 degrees, 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 colours, making it ideal not only for Photos, films and web browsing, but also for professional applications that demand colour accuracy and consistent brightness at all times.

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.

Pop-up webcam

Philips' innovative and secure webcam pops up when you need it and securely tucks back into the monitor when you are not using it. The webcam is also equipped with advanced sensors for Windows Hello facial recognition, which conveniently logs you into your Windows devices in less than 2 seconds, 3 times faster than a password.

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
Ultra HD
Wide Viewing Angle
LowBlue Mode
PowerSensor
LightSensor
EasyRead

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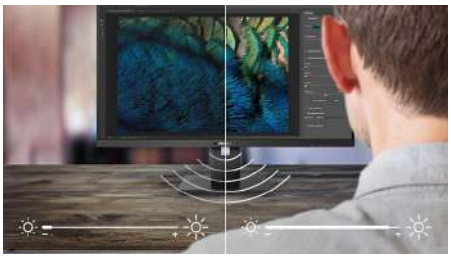
Highlights

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.

Designed for sustainability

Designed for sustainability and reduced operating costs, this monitor meets environmental standards. Such as: ENERGY STAR, EPEAT, TCO Certified. For more information on certification, please visit: ENERGY STAR: https://www.energystar.gov/ EPEAT: https://www.epeat.net/ TCO Certified: https://tcocertified.com/

EasyRead mode

EasyRead mode for a paper-like reading experience

Flicker-free
4K Ultra HD
IPS Wide Viewing Angle
LowBlue Mode
Eye Comfort TÜVRheinland CERTIFIED
PowerSensor

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Specifications

Picture/Display
Panel Size: 31.5 inch/80 cm
Aspect ratio: 16:9
LCD panel type: IPS technology
Backlight type: W-LED system
Pixel pitch: 0.18159 x 0.18159 mm
Optimum resolution: 3840 x 2160 @ 60 Hz
Brightness: 350 cd/m²
Display colours: Colour support 1.07 billion colours
Colour gamut (typical): NTSC 117%*, sRGB 128%*, Adobe RGB 89%*
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
Effective viewing area: 697.3056 (H) x 392.2344 (V)
Scanning Frequency: 30–140 kHz (H) / 23–75 Hz (V)
sRGB
Delta E: < 2 (sRGB)
Flicker-free
Pixel Density: 140 PPI
LowBlue Mode
Display Screen Coating: Anti-Glare, 3H, Haze 25%
SmartUniformity: 93 ~ 105%
EasyRead
Adaptive sync

Connectivity
Signal Input: DisplayPort 1.4 x 1, HDMI 2.0 x 2, USB-C x 1
Sync Input: Separate Sync
Audio (In/Out): Audio out
RJ45: Ethernet LAN up to 1 G*, Wake on LAN
HDCP: HDCP 2.2 (HDMI/DP/USB-C)
HBR3: for USB-C

USB
USB Ports: USB-C x 1 (upstream, DisplayPort Alt mode, HDCP 2.2); USB-A x 4 (downstream with 1 fast charge BC1.2)
Power delivery: USB-C: USB PD version 3.0, 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-A (side): x 1 fast charge BC1.2, up to 7.5 W (5 V/1.5 A)
Super speed: USB-C: USB 3.2 Gen2, 10 Gbps; USB-A: USB 3.2 Gen1, 5 Gbps

Convenience
Built-in Speakers: 5 W x 2
Plug and Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 10/8.1/8/7
User convenience: SmartImage, Input, User, Menu, Power On/Off
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)
Control software: SmartControl
Built-in webcam: Pop-up 2.0 megapixel FHD camera with microphone and LED indictor

Stand
Height adjustment: 180 mm
Pivot: -/+ 90 degree
Swivel: -/+ 180 degree
Tilt: -5~25 degree

Power
ECO mode: 26.8 W (typ.)
Power supply: Built-in, 100–240 VAC, 50–60 Hz
Off mode: Zero watts with Zero switch
On mode: 31.8 W (typ.) (EnergyStar test method)
Standby mode: 0.3 W
Power LED indicator: Operation - White, Standby mode - White (flashing)
Energy Label Class: G

Dimensions
Packaging in mm (W x H x D): 930 x 563 x 186 mm
Product without stand (mm): 714 x 422 x 62 mm
Product with stand (max height): 714 x 649 x 280 mm

Weight
Product with packaging (kg): 15.51 kg
Product with stand (kg): 12.2 kg
Product without stand (kg): 8.19 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
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 8.0, EPEAT*, TCO Certified Edge, RoHS
Post-consumer recycled plastic: 85%
Recyclable packaging material: 100 %
Specific Substances: PVC/BFR free housing, Mercury free

Compliance and standards
Regulatory Approvals: UKRAINIAN, cETLus, CB, TUV/GS, TUV Ergo, CU-EAC, EAEU RoHS, CE Mark, 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

* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.
* Response time value equal to SmartResponse
* NTSC Area based on CIE 1976
* sRGB Area based on CIE1931
* Adobe RGB Coverage based on CIE 1976
* 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.
* For Video transmission via USB-C, your Notebook/device must support USB-C DP Alt mode
* 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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Issue date 2025-02-19
Version: 8.8.1

EAN: 87 12581 76805 8

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