

# PHILIPS

LCD monitor with  
USB-C docking

Business Monitor

5000 series

24 (23.8" / 60.5 cm diag.)

1920 x 1080 (Full HD)

24B1U5301H



## Daily routine simplified

with a pop-up webcam

This USB-C monitor is great for watching videos, data transfer and power delivery. The integrated 5 MP webcam delivers sharp images, and a noise-cancelling mic lets people hear you clearly. Features a pop-up webcam for quick access and robust security.

### Excellent performance

- IPS technology for full colours and wide viewing angles

### Designed for the way you work

- MultiView enables simultaneous dual connection and view
- Secure sign-in with pop-up webcam
- DisplayPort-out for connecting additional displays
- TUV Eye Comfort certified to reduce eye fatigue
- Built-in KVM switch to easily switch between sources
- Collaboration-ready webcam with noise-cancelling mic.

### Single cable USB-C connection

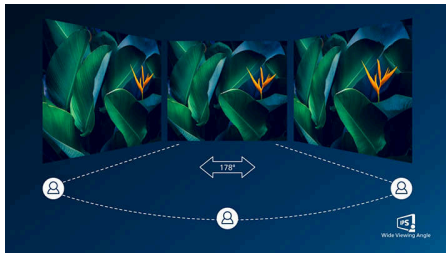
- RJ-45 to USB-C gives easy network connection with security
- USB 3.2 high-speed data transfer

### Designed for sustainability

- LightSensor for the perfect brightness with minimal power
- PowerSensor saves up to 75% energy costs

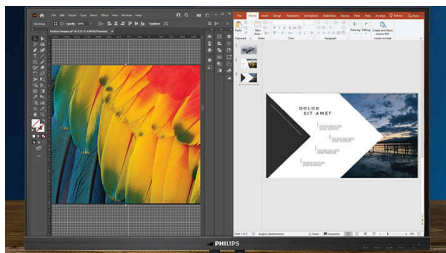
## Highlights

### 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.

### 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.

### 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.

### DisplayPort-out



With DisplayPort-out you can connect multiple high-resolution displays with just one cable from your first display to the PC. The ability to daisy chain multiple displays enables you to maintain a clean desktop without the hassle of too many wires.

### 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.

### 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.

### Webcam and noise-cancelling mic



This Philips monitor comes with a built-in 5 MP webcam, noise-cancelling microphone and speakers, making it perfect for working from home and collaborating remotely. It is equipped with advanced sensors that work seamlessly with Windows Hello facial recognition, allowing you to log into your Windows devices in less than 2 seconds. For added privacy, a physical camera switch lets you disable the webcam when not in use. The noise-cancelling microphone and dual 5 watt integrated speakers ensure clear communication.



## Highlights

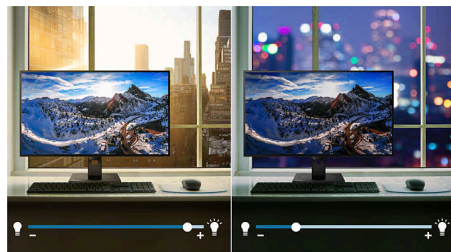
### USB-C Docking with RJ45



Simplify all peripherals from monitor to PC using one-cable docking USB Type-C connector, including networking, high-resolution video output from PC to monitor, and surfing on the Internet without an additional network cable, even without a 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

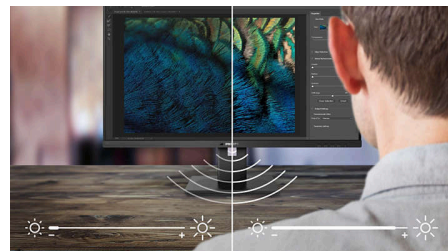
enable you to power and charge your notebook from the monitor, eliminating the need for extra power cables.

### 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.

### PowerSensor



PowerSensor is a built-in "people sensor" that transmits and receives harmless infra-red signals to determine if the user is present and automatically reduces monitor brightness when the user steps away from the desk, cutting energy costs by up to 75 percent and prolonging monitor life.



## Specifications

### Picture/Display

**Panel Size:** 23.8 inch/60.5 cm  
**Aspect ratio:** 16:9  
**LCD panel type:** IPS technology  
**Backlight type:** W-LED system  
**Pixel pitch:** 0.2745 x 0.2745 mm  
**Brightness:** 300 cd/m<sup>2</sup>  
**Display colours:** 16.7 M (8 bit)  
**Colour gamut (typical):** NTSC 88%\*, sRGB 105%\*  
**Contrast ratio (typical):** 1000:1  
**SmartContrast:** 50,000,000:1  
**Response time (typical):** 4 ms (Grey to Grey)\*  
**Viewing angle:** 178° (H)/178° (V), @ C/R > 10  
**Picture enhancement:** SmartImage  
**Maximum resolution:** 1920 x 1080 @ 75 Hz  
**Effective viewing area:** 527.04 (H) x 296.46 (V)  
**Scanning Frequency:** 30–85 kHz (H) / 48–75 Hz (V)  
**sRGB**  
**Flicker-free**  
**Pixel Density:** 93 PPI  
**LowBlue Mode**  
**Display Screen Coating:** Anti-Glare, 3H, Haze 25%  
**EasyRead**

### Connectivity

**Signal Input:** HDMI 1.4 x 1, DisplayPort 1.4 x 1, USB-C x 1 (upstream, DP Alt mode, Data, PD up to 90 W)  
**Sync Input:** Separate Sync  
**Audio (In/Out):** Audio out/Microphone in combo jack  
**RJ45:** Ethernet LAN up to 1 G\*, Wake on LAN  
**Signal Output:** DisplayPort out x 1  
**HDCP:** HDCP 1.4 (HDMI/DisplayPort/USB-C); HDCP 2.2 (HDMI/DisplayPort/USB-C)  
**HBR3:** HBR 3 (DisplayPort, USB-C)  
**USB Hub:** USB 3.2, Gen 2/10 Gbps, USB-C upstream x 1 (Data), USB-A downstream x 4 (with 1 for fast charge B.C 1.2), USB-C downstream x 1 (Data, PD 15 W)

### Power Delivery

**Max power delivery:** USB-C 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)  
**Version:** USB PD version 3.0

### Convenience

**Built-in Speakers:** 5 W x 2  
**Plug and Play Compatibility:** DDC/CI, Mac OS X, sRGB, Windows 11/10/8.1/8/7  
**User convenience:** SmartImage, Input, User, 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  
**MultiView:** PIP/PBP mode, 2 x devices  
**Built-in webcam:** Pop-up 5.0 megapixel camera with a microphone and LED indicator (for Windows Hello)  
**KVM:** Yes (USB-C/USB-C)  
**Noise cancellation**

### Stand

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

### Power

**Power supply:** Built-in, 100–240 VAC, 50–60 Hz  
**Off mode:** Zero watts with AC switch  
**On mode:** 15.3 W (typ.) (EnergyStar test method)  
**Standby mode:** 0.3 W (typ.)  
**Power LED indicator:** Operation - White, Standby mode - White (flashing)  
**Energy Label Class:** E

### Dimensions

**Packaging in mm (W x H x D):** 600 x 406 x 198 mm  
**Product without stand (mm):** 540 x 323 x 51 mm  
**Product with stand (max height):** 540 x 500 x 205 mm

### Weight

**Product with packaging (kg):** 8.32 kg  
**Product with stand (kg):** 5.50 kg  
**Product without stand (kg):** 3.90 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:** Mercury free, PVC/BFR free housing

### Compliance and standards

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

### 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  
\* 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.  
\* 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 monitor may look different from feature images.