

Philips Business Monitor  
LCD monitor with USB-C  
docking

### 5000 series

24 (23.8"/60.5 cm diag.)  
1920 x 1080 (Full HD)

24B1U5301H



## Daily routine simplified

with built-in webcam

This USB-C monitor is for data transfer, power delivery and watching videos. The integrated 5 MP webcam delivers sharp images, and the noise cancelling mic lets people hear you fine. Windows Hello Webcam for quick access and strong security.

#### Single cable USB-C connection

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

#### Excellent performance

- IPS technology for full colours and wide viewing angles

#### Designed for the way you work

- DisplayPort-out for connecting additional displays
- Built-in KVM switch to easily switch between sources
- MultiView enables simultaneous dual connection and view
- Webcam with noise-cancelling microphone for collaboration
- SmartErgoBase enables user-friendly ergonomic adjustments
- TÜV Eye Comfort certified to reduce eye fatigue

#### Designed for sustainability

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



# PHILIPS

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5000 series 24 (23.8"/60.5 cm diag.), 1920 x 1080 (Full HD)

24B1U5301H/01

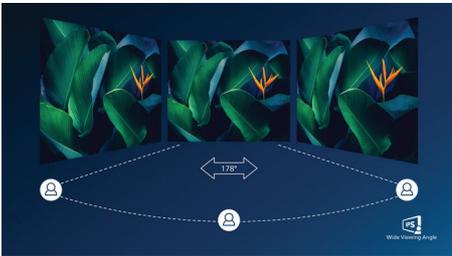
# Highlights

## 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.

## 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.

## DisplayPort-out



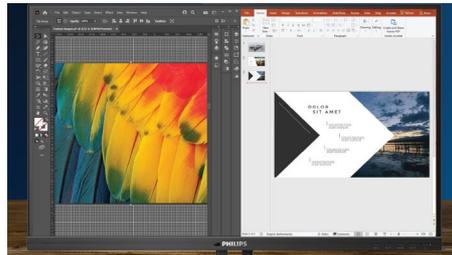
With DisplayPort-out you can connect multiple high-resolution displays with just one cable from your first display to the PC. The ability to daisy chain multiple displays enables you to maintain a clean desktop without the hassle of too many wires.

## 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.

## 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

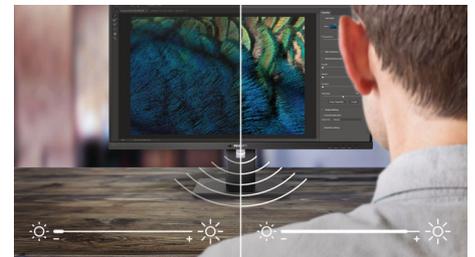
with multiple devices like a PC and notebook simultaneously, for complex multitasking.

## Webcam and noise-cancelling mic



This Philips monitor comes with a built-in 5 MP webcam, a noise-cancelling microphone, and speakers, making it perfect for working from home and collaborating remotely. The webcam is certified for Windows Hello and is equipped with advanced sensors for Windows Hello™ facial recognition, which conveniently logs you into your Windows devices in less than 2 seconds. The physical camera switch offers extra privacy when not in use. The noise-cancelling microphone and dual 5 watt integrated speakers deliver clear communications.

## 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

- LCD panel type: IPS technology
- Backlight type: W-LED system
- Panel Size: 23.8 inch/60.5 cm
- Display Screen Coating: Anti-Glare, 3H, Haze 25%
- Effective viewing area: 527.04 (H) x 296.46 (V)
- Aspect ratio: 16:9
- Maximum resolution: 1920 x 1080 @ 75 Hz
- Pixel Density: 93 PPI
- Response time (typical): 4 ms (Grey to Grey)\*
- Brightness: 300 cd/m<sup>2</sup>
- Contrast ratio (typical): 1000:1
- SmartContrast: 50,000,000:1
- Pixel pitch: 0.2745 x 0.2745 mm
- Viewing angle: 178° (H)/178° (V), @ C/R > 10
- Flicker-free
- Picture enhancement: SmartImage
- Display colours: 16.7 M (8 bit)
- Colour gamut (typical): NTSC 88%\*, sRGB 105%\*
- Scanning Frequency: 30–85 kHz (H) / 48–75 Hz (V)
- sRGB
- LowBlue Mode
- 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)
- HDCP: HDCP 1.4 (HDMI/DisplayPort/USB-C); HDCP 2.2 (HDMI/DisplayPort/USB-C)
- HBR3: HBR 3 (DisplayPort, USB-C)
- Signal Output: DisplayPort out x 1
- 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)
- Audio (In/Out): Audio out/Microphone in combo jack
- RJ45: Ethernet LAN up to 1 G\*, Wake on LAN
- Sync Input: Separate Sync

## Power Delivery

- Version: USB PD version 3.0
- 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)

## Convenience

- Built-in Speakers: 5 W x 2
- Built-in webcam: 5.0 megapixel camera with microphone and LED indicator (for Windows Hello)
- Noise cancellation
- MultiView: PIP/PBP mode, 2 x devices
- KVM: Yes (USB-C/USB-C)
- User convenience: SmartImage, Input, User, Menu, Power On/Off
- Control software: SmartControl
- 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)

- Plug and Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 11 / 10 / 8.1 / 8 / 7

## Stand

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

## Power

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

## Dimensions

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

## Weight

- Product with stand (kg): 5.50 kg
- Product without stand (kg): 3.90 kg
- Product with packaging (kg): 8.32 kg

## Operating conditions

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

## Sustainability

- Environmental and energy: PowerSensor, LightSensor, EnergyStar 8.0, EPEAT\*, TCO Certified Edge, RoHS
- Recyclable packaging material: 100 %
- Post-consumer recycled plastic: 85%
- 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, SEMKO, TUV Ergo, TUV/GS, TUV Eye Comfort certified, cETLus

## Cabinet

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

## What's in the box?

- Monitor with stand
- Cables: HDMI cable, DisplayPort cable, USB-C to C/A Y cable, Power cable
- User Documentation



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Version: 1.1.1

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EAN: 87 12581 79649 5

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- \* "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.