

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 pop-up webcam

This USB-C monitor is for video watching, data transfer and power delivery. The integrated 5MP webcam delivers sharp images, and noise cancelling mic let 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 colors 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 people-friendly ergonomic adjustments
- TUV 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

LCD monitor with USB-C docking
5000 series 24 (23.8" / 60.5 cm diag.), 1920 x 1080 (Full HD)

24B1U5301H/75

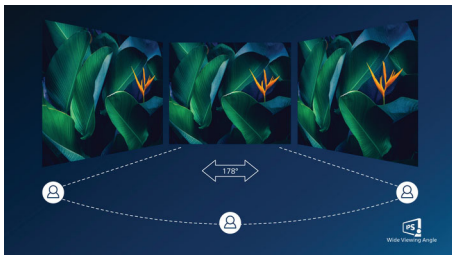
Highlights

USB-C Docking with RJ45



Simplify all peripherals from monitor to PC using one-cable-docking USB Type-C connector, includes networking, high resolution video output from PC to monitor, and surfing on Internet without an additional network cable, even without 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 an advanced technology which gives you extra wide viewing angles of 178/178 degree, 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 colors, making it ideal not only for Photos, movies and web browsing, but also for professional applications which demand color accuracy and consistent brightness at all times.

DisplayPort-out



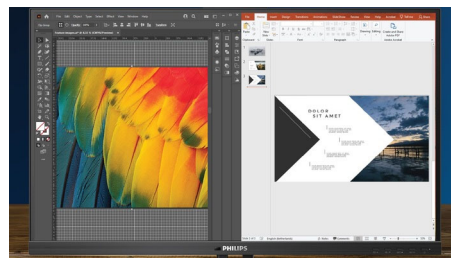
With DisplayPort-out you can connect multiple high resolution displays with just one cable from your first display to the PC. The ability to daisy chain multiple displays enables you to create a clean desktop without the hassle of too many wires all over.

MultiClient Integrated KVM



With MultiClient Integrated KVM switch, you can control two separate PCs with one monitor-keyboard-mouse set up. A convenient button allows you to quickly switch between sources. Handy with set-ups that require dual PC computing power or sharing one large monitor to show two different PCs.

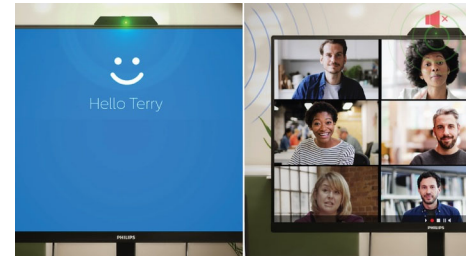
MultiView technology



With the ultra-high resolution Philips MultiView display you can now experience a world of connectivity. MultiView enables active

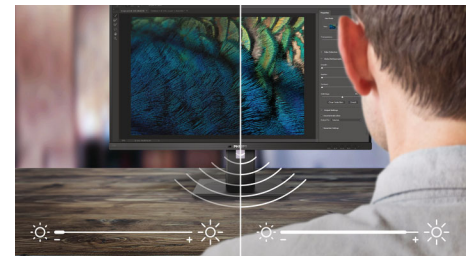
dual connect and view so that you can work with multiple devices like a PC and notebook simultaneously, for complex multi-tasking.

Webcam & noise cancelling mic



This Philips monitor comes with built-in 5MP webcam, noise cancelling microphone, and speakers. Making it perfect for working from home and collaborating remotely. The webcam is certified for Windows Hello. 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 infrared signals to determine if user is present and automatically reduces monitor brightness when 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 (Gray to Gray)*
- Brightness: 300 cd/m²
- 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 colors: 16.7 M (8 bit)
- Color 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 90W)
- 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 15W)
- Audio (In/Out): Audio out / Microphone in combo jack
- RJ45: Ethernet LAN up to 1G*, Wake on LAN
- Sync Input: Separate Sync

Power Delivery

- Version: USB PD version 3.0
- Max power delivery: USB-C up to 90W (5V/3A, 7V/3A, 9V/3A, 10V/3A, 12V/3A, 15V/3A, 20V/4.5A)

Convenience

- Built-in Speakers: 5 W x 2
- Built-in webcam: Pop-up 5.0 megapixel camera with microphone and LED indicator (for Windows Hello)
- Noise cancellation
- MultiView: PIP/PBP mode, 2x 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 (100x100mm)
- Plug & 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
- Power LED indicator: Operation - White, Standby mode- White (blinking)
- Power supply: Built-in, 100-240VAC, 50-60Hz

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 (WxHxD): 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: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- 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, TUV Ergo, TUV/ GS, TUV Eye Comfort certified, cETLus, MEPS, RCM

Cabinet

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



Issue date 2023-01-31

Version: 2.0.1

12 NC: 8670 001 89002
EAN: 87 12581 80128 1

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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 CIE1976

* 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, on-line streaming video and audio over the Internet can impact your network performance. Your hardware, network bandwidth and its performance will determine 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 OSD menu and select USB 3.0 or higher version which can support the LAN speed 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.