

PHILIPS

LCD monitor

Business monitor

5000 series

24 (23.8" / 60.47 cm diag.)

1920 x 1080 (Full HD)

24B2D5300



Two screens, one smarter interaction

This space-saving, dual-sided 120 Hz monitor with HDMI and USB-C on each side delivers unmatched convenience. Two users can share one device, or a single user can extend or mirror content across both screens for seamless collaboration.

Multi-purpose USB-C connection

- USB-C does it all with one cable

Designed for the way you work

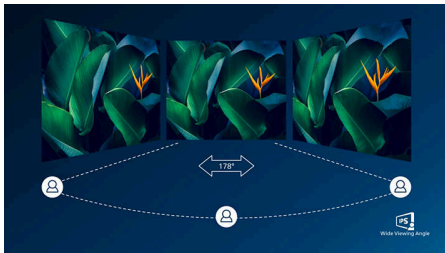
- Dual-sided screens: Easy access from both sides.
- Built-in stereo speakers for multimedia
- DualView: Extend or clone the display to the opposite screen
- SmartView: multitasking from a single source
- Maximise your space with fewer monitors
- D-Mode: Optimised for subtle greyscale perception
- Eyesafe-certified blue light protection and colour accuracy
- Less eye fatigue with Flicker-Free technology
- SoftBlue Technology: for comfortable viewing

Great performance

- 120 Hz refresh rates for ultra-smooth images
- IPS LED wide view technology for image and colour accuracy

Highlights

IPS technology



IPS displays use an advanced technology that gives you extra-wide viewing angles of 178/178 degrees, making it possible to view the display from almost any angle. Unlike standard TN panels, IPS displays give you remarkably crisp images with vivid colours, making them ideal not only for Photos, movies and web browsing, but also for professional applications that demand colour accuracy and consistent brightness at all times.

120 Hz fast refresh



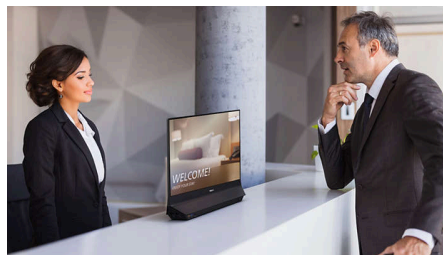
For gaming and video performance, you demand display with lag free, ultra-smooth images. This Philips display redraws the screen image up to 120 times per second, much faster than a standard display. A lower frame rate can make enemies appear to jump from spot to spot on the screen, making them difficult targets to hit. With 120 Hz frame rate, you get those critical missing images on the screen which shows enemy movement in ultra-smooth motion so you can easily target them.

DualView



Deliver a unique experience across both sides of your monitor. From a single PC or notebook, DualView lets you operate each screen independently—just like in a daisy-chained setup. Use the dual screens like a standard two-monitor workspace, present and collaborate with ease, or tailor each screen for customer-facing experiences. While extending your desktop, use OSD Sync to adjust display settings such as brightness, sharpness, SmartImage and more on both screens simultaneously for a consistent viewing experience.

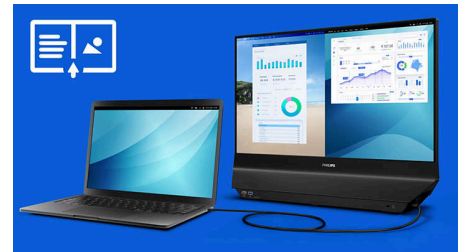
Dual-sided screens



This Philips monitor features a unique dual-sided design, offering screens on both the front and back. Discover new ways to work, enhance customer interactions and even enable two people to use the same device simultaneously. The built-in 180° swivel lets you quickly rotate the monitor to face the screen you need—no repositioning or extra equipment required. With

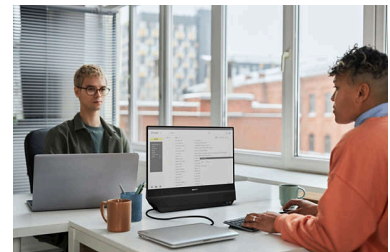
two displays working for you at once, you get expanded versatility and convenience in any environment.

SmartView



Designed for efficient multitasking, SmartView enables split-screen viewing on each display that is using only one PC or notebook. View and manage multiple applications at once to keep your workflow smooth and uninterrupted. Activate both SmartView and DualView to extend or clone a split-screen view onto the back display, enabling you to use up to three applications at once from only one PC or notebook.

Dual-sided compact design

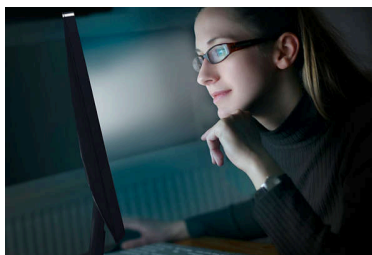


Designed with screens on both the front and back, this dual-sided Philips monitor allows two people to work simultaneously on a single device. By combining two displays into one compact design, it delivers the convenience of a dual-monitor setup while using only half the space—ideal for shared workspaces, front desks and collaborative environments.



Highlights

SoftBlue Technology with Low Blue Light Panel



SoftBlue technology offers increased visual comfort and protection against adverse health effects caused by prolonged exposure to blue light. With the low blue-light panel, the ratio of display emission light in the range of 415-455 nm to 400-500 nm is reduced to less than 50%. As a result, the SoftBlue technology provides optimal visual comfort, minimises eye strain and supports sustained focus. Not to mention, SoftBlue LED technology is tested and TÜV Rheinland Low Blue Light (Hardware Solution) certified for its effectiveness in reducing blue light emissions.

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.

eyesafe® CERTIFIED 2.0 (RPF 40)



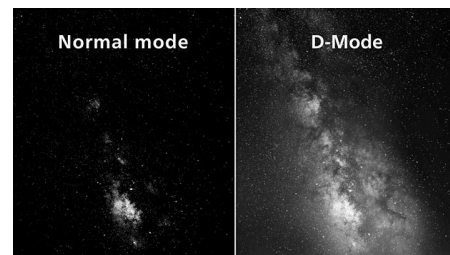
The Philips display meets the eyesafe® CERTIFIED 2.0 standard to truly protect you from long exposure to blue light. The always-on blue light filter not only helps reduce digital eye strain, but also guarantees colour integrity.

Built-in stereo speakers



A pair of high-quality stereo speakers built into a display device. They may be visible front firing, or invisible down firing, top firing, rear firing etc. depending on model and design.

D-Mode



Reveal every hidden detail in the dark-toned areas of your display. D-Mode enhances greyscale detail to make subtle tonal differences easier to see. Based on the greyscale perception model defined by the DICOM Part 14 GSDF standard, it improves the visibility of details that standard display settings may miss. The result is clearer differentiation between subtle shades and improved detail visibility in greyscale content such as technical illustrations, scans and other high-detail imagery.

USB-C Connection



One USB-C connection delivers display, data and fast power through a single cable. With a dedicated USB-C port for each screen, you gain greater control and flexibility—unlocking new dual-screen workflows that go beyond a conventional monitor.

Specifications

Picture/Display

Panel Size: 23.8 inch/60.47 cm
Aspect ratio: 16:9
LCD panel type: IPS*
Backlight type: W-LED system
Pixel pitch: 0.2745 (H) mm x 0.2745 (V) mm
Brightness: 300 cd/m²
Display colours: 16.7 M (8 bit)
Colour gamut (typical): NTSC area: 100%, sRGB area: 110%*
Contrast ratio (typical): 1500:1
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@120 Hz (HDMI/USB-C)
Effective viewing area: 527.04 (H) x 296.46 (V) mm
Scanning Frequency: 30 - 140 kHz (H)/48 - 120 Hz (V)
sRGB
SoftBlue
Flicker-free
Pixel Density: 93 PPI
Display Screen Coating: Anti-Glare, 3H, Haze 25%
EasyRead
Adaptive sync (VRR)
EyeSafe
DICOM (D-mode)

Connectivity

Signal Input: HDMI 1.4 x 2 (HDMI 1 for Screen1, HDMI 2 for Screen2), USB-C1 x 1 (upstream, DP Alt mode, data, PD) for Screen1, USB-C2 x 1 (upstream, DP Alt mode, data, PD) for Screen2
Sync Input: Separate Sync, Sync on Green
Audio (In/Out): Audio out x 1 per screen
HDCP: HDCP 1.4 (HDMI/USB-C)
HBR3: HBR 3 (USB-C)
USB Hub: USB3.2, Gen1, 5G, Upstream: 1 x USB-C1 (Full) for Screen1, 1 x USB-C2 (Full) for Screen2. Downstream: 2 x USB-A for Screen1, 2 x USB-A for Screen2.

Power Delivery

Max power delivery: Up to 65 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/3.25 A) per USB-C PD port
Version: USB PD version 3.0

Convenience

Built-in Speakers: 3 W x 2
Plug and Play Compatibility: DDC/CI, Mac OS, sRGB, Windows 11/10
User convenience: SmartImage, Input, Brightness, 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
Control software: SmartControl
MultiView: 2 x devices per screen, PIP/PBP mode

Stand

Swivel: -/+ 180 degree

Power

ECO mode: 19.8 W (typ.)
Power supply: External, 100–240 VAC, 50–60 Hz
Off mode: 0.3 W (typ.)
On mode: 23.88 W (typ.) (Energy Star test method)
Standby mode: 0.5 W (typ.)
Power LED indicator: Operation - White, Standby mode - White (flashing)
Energy Label Class: D

Dimensions

Packaging in mm (W x H x D):
 650 x 507 x 186 mm
Product without stand (mm):
 541 x 413 x 127 mm

Weight

Product with packaging (kg): 8.78 kg
Product without stand (kg): 5.32 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: Energy Star, EPEAT*, 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, TUV/GS, TUV Ergo, TCO Certified, TCO Certified Edge, EAC, EAC ROHS, MEPS, UKCA, EMF, FCC, ICES-003, TÜV Rheinland Low Blue Light (Hardware Solution), eyesafe® CERTIFIED 2.0
Warranty: 5 years

Cabinet

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

What's in the box?

Cables: USB-C to C/C cable *2, Power cable.
User Documentation

- * Both panels share the same specifications.
- * IPS" word mark/trademark and related patents on technologies belong to their respective owners.
- * Response time value equal to SmartResponse
- * Specifications are identical for all individual screens.
- * 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 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.
- * The 5 year warranty is a voluntary manufacturer's limited warranty. It applies only in the countries listed on this page <https://www.philips.co.uk/c-e/so/monitors/tco-certified-edge>. For consumers, it is provided in addition to, and without affecting, their legal rights under applicable national laws. For non-consumer (business/professional) end users, only the manufacturer's limited warranty terms apply.
- * 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.
- * The products and accessories listed on this leaflet may differ by country and region.
- * The cable(s) supplied with the product may vary in type, quantity and specifications in line with country- or region-specific requirements.

