

Philips Monitor  
USB-C monitor

**5000 series**

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

**24E1N5300AE**



## Simplify your connections with USB-C

This Philips USB-C multi-purpose monitor offers clutter-free setup. With a single cable you can view smooth high-resolution video, transfer data and charge your laptop. A true hub for mobile professionals.

### Single cable USB-C connection

- Connect your notebook with one USB-C cable

### Superb Picture Quality

- IPS LED wide view technology for image and colour accuracy
- 1 ms (MPRT) fast response for crisp images and smooth gameplay
- SmartImage game mode optimised for gamers
- SmartContrast for rich black details

### Features designed for you

- LowBlue mode and Flicker-free easy-on-the eyes viewing
- Built-in stereo speakers for multimedia
- Tilt, pivot and adjust the height for an ideal viewing position
- EasyRead mode for a paper-like reading experience
- Cable management reduces cable clutter for a neat workspace
- EasySelect menu toggle key for quick on-screen menu access

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# Highlights

## USB-C connection



This Philips display features a USB type-C connector with power delivery. With intelligent and flexible power management, you can power charge your compatible device directly. Its slim, reversible USB-C allows for easy, one-cable connection. You can watch high-resolution video and transfer data at super speed, while powering up and recharging your compatible device at the same time.

## 1 ms MPRT fast response



MPRT (motion picture response time) is a more intuitive way to describe response time, which directly refers to the duration between seeing blurry noise and clean, crisp images. The Philips gaming monitor with 1 ms MPRT effectively eliminates smearing and motion blur and delivers sharper and more precise visuals to enhance your gaming experience. The best choice for playing thrilling and twitch-sensitive games.

## SmartImage Game mode



The new Philips gaming display has quick-access OSD fine-tuned for gamers, offering you multiple options. "FPS" mode (First person shooting) improves dark themes in games, allowing you to see hidden objects in dark areas. "Racing" mode adapts the display with the fastest response time and high colour, along with image adjustments. "RTS" mode (Real-time strategy) has a special SmartFrame mode that enables highlighting of specific area and allows for size and image adjustments. Gamer 1 and Gamer 2 enable you to save personal customised settings based on different games, ensuring best performance.

## LowBlue Mode and Flicker-free



Our LowBlue Mode and Flicker-free technology have been developed to reduce eye strain and fatigue often caused by long hours in front of a monitor.

## 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.

## Compact Ergo Base



The Compact Ergo Base is a people-friendly Philips monitor base that tilts, pivot and height-adjusts so each user can position the monitor for maximum viewing comfort and efficiency.

## Cable management



Cable management is an intimate design that maintains a tidy workspace by organising the cables and wires required for the operation of a display device.

## EasyRead mode



EasyRead mode for a paper-like reading experience



USB-C



Wide Viewing Angle



Fast Response Time (MPRT)



SmartImage



LowBlue Mode



Flicker-free



Built-in Speaker



EasyRead



Compact Ergo Base



EasyConnect

# 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: 92.56 PPI
- Response time (typical): 4 ms (Grey to Grey)\*
- MPRT: 1 ms
- Brightness: 300 cd/m<sup>2</sup>
- Contrast ratio (typical): 1000:1
- SmartContrast: Mega Infinity DCR
- Pixel pitch: 0.2745 x 0.2745 mm
- Viewing angle: 178° (H)/178° (V), @ C/R > 10
- Flicker-free
- Picture enhancement: SmartImage game
- Colour gamut (typical): NTSC 104.8%\*, sRGB 120.9%\*
- Display colours: 16.7 M
- Scanning Frequency: 30–85 kHz (H) / 48–75 Hz (V)
- LowBlue Mode
- EasyRead
- sRGB
- Adaptive sync

## Connectivity

- Signal Input: HDMI 1.4 x 1, DisplayPort 1.2 x 1, USB-C 3.2 Gen 1 x 1 (upstream, Power Delivery up to 65 W)
- USB: USB 3.2 x 4 (downstream with 1 fast charge B.C 1.2)
- Sync Input: Separate Sync
- Audio (In/Out): Audio out

## USB

- USB-C: Reversible plug connector
- Super speed: Data and Video transfer
- DP: Built-in Display Port Alt mode
- Power delivery: USB PD version 3.0
- USB-C max. power delivery: Up to 65 W (5V/3A, 9V/3A, 10V/3A, 12V/3A, 15V/3A, 20V/3.25A)

## Convenience

- Built-in Speakers: 3 W x 2
- User convenience: Power On/Off, Menu, Volume, Input, SmartImage Game
- 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)

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

## Stand

- Height adjustment: 130 mm
- Pivot: -/+ 90 degree
- Tilt: -5/20 degree

## Power

- On mode: 21.2 W (typ.)
- Standby mode: 0.5 W (typ.)
- Off mode: 0.3 W (typ.)
- Energy Label Class: F
- Power LED indicator: Operation - White, Standby mode - White (flashing)
- Power supply: External, 100–240 VAC, 50–60 Hz

## Dimensions

- Product with stand (max height): 540 x 479 x 198 mm
- Product without stand (mm): 540 x 321 x 43 mm
- Packaging in mm (W x H x D): 600 x 526 x 143 mm

## Weight

- Product with stand (kg): 4.36 kg
- Product without stand (kg): 2.70 kg
- Product with packaging (kg): 7.64 kg

## Operating conditions

- Temperature range (operation): 0 to 40 °C
- Temperature range (storage): -20 to 60 °C
- Relative humidity: 20%-80 %
- Altitude: Operation: +12,000 ft (3658 m), Non-operation: +40,000 ft (12,192 m)
- MTBF: 50,000 hrs (excluding backlight) hour(s)

## Sustainability

- Environmental and energy: RoHS, Mercury Free
- Recyclable packaging material: 100 %

## Compliance and standards

- Regulatory Approvals: CB, CE Mark, CU-EAC, EAEU RoHS, FCC Class B, ICES-003, TUV/ISO9241-307, TUV-BAUART

## Cabinet

- Colour: Black
- Finish: Textured

## What's in the box?

- Monitor with stand
- Cables: HDMI cable, USB-C to USB-C cable, Power cable
- User Documentation



Issue date 2022-01-31

Version: 1.2.1

12 NC: 8670 001 80239  
EAN: 87 12581 78332 7

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or their respective owners.

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\* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.  
\* The maximum resolution works for either HDMI input or DP input.  
\* For best output performance, please always ensure that your graphic card is capable of achieving the maximum resolution and refresh rate of this Philips display.  
\* Response time value equal to SmartResponse  
\* MPRT adjusts the brightness for blur reduction, so the brightness cannot be adjusted while MPRT is turned on. To reduce motion blur, the LED backlight will strobe in time with the screen refresh rate, which may cause a noticeable change in brightness.  
\* MPRT is a gaming-optimised mode. Turning on MPRT may cause noticeable screen flickering. It is recommended to turn this mode off when you are not using the gaming function.  
\* 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  
\* 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.  
\* The monitor may look different from feature images.