

Philips Monitor  
USB-C monitor

**5000 series**  
27" (68.6 cm)  
2560 x 1440 (QHD)

**27E1N5600AE**



## Simplify your connections with USB-C

This Philips USB-C multipurpose 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 color accuracy
- Crystalclear images with Quad HD 2560 x 1440 pixels
- 1ms (MPRT) fast response for crisp image and smooth gameplay
- SmartImage game mode optimized 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 height-adjust for an ideal viewing position
- EasyRead mode for a paper-like reading experience
- Cable management reduces cable clutter for neat workspace
- EasySelect menu toggle key for quick on-screen menu access

**PHILIPS**

USB-C monitor  
5000 series 27" (68.6 cm), 2560 x 1440 (QHD)

27E1N5600AE/00

# 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 a super-speed, while powering up and re-charging your compatible device at the same time.

## 1ms MPRT fast response



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

## Crystalclear images



These Philips screens deliver Crystalclear, Quad HD 2560x1440 or 2560x1080 pixel images. Utilizing high performance panels with high density pixel count, enabled by high bandwidth sources like USB-C, Displayport, HDMI, these new displays will make your images and graphics come alive. Whether you are demanding professional requiring extremely detailed information for CAD-CAM solutions, using 3D graphic applications or a financial wizard working on huge spreadsheets, Philips displays will give you Crystalclear images.

## 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 display with fastest response time, high color, along with image adjustments. "RTS" mode (Real time strategy) has a special SmartFrame mode which enables highlighting of specific area and allows for size and image adjustments. Gamer 1 and Gamer 2 enable you to save personal

customized settings based on different games, ensuring best performance.

## LowBlue Mode & Flicker-free



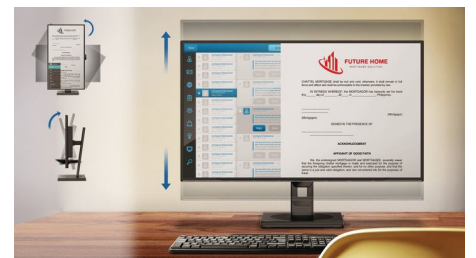
Our LowBlue Mode and Flicker-free technology have been developed to reduce eye strain and fatigue often caused by long hours in front of a monitor.

## Built-in stereo speakers



A pair of high quality stereo speakers built into a display device. It can 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.



USB-C



Wide Viewing Angle



Quad HD



Fast Response  
1ms MPRT



SmartImage™  
Game



LowBlue Mode



Flicker-free



Built-in Speaker



EasyRead



Compact Ergo  
Base

# Specifications

## Picture/Display

- LCD panel type: IPS technology
- Backlight type: W-LED system
- Panel Size: 27 inch / 68.6 cm
- Display Screen Coating: Anti-Glare, 3H, Haze 25%
- Effective viewing area: 596.736 (H) x 335.664 (V)
- Aspect ratio: 16:9
- Maximum resolution: 2560 x 1440 @ 75 Hz\*
- Pixel Density: 108.79 PPI
- Response time (typical): 4 ms (Gray to Gray)\*
- MPRT: 1 ms
- Brightness: 300 cd/m<sup>2</sup>
- Contrast ratio (typical): 1000:1
- SmartContrast: Mega Infinity DCR
- Pixel pitch: 0.2331 x 0.2331 mm
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- Flicker-free
- Picture enhancement: SmartImage game
- Color gamut (typical): NTSC 102.2%\*, sRGB 114.18%\*
- Display colors: 16.7 M
- Scanning Frequency: 30 - 114 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 65W)
- HDCP: HDCP 1.4 (HDMI / DisplayPort / USB-C)
- 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 65W (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

(100x100mm)

- Plug & 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: 29.1 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 (blinking)
- Power supply: Internal, 100-240VAC, 50-60Hz

## Dimensions

- Product with stand(max height): 614 x 510 x 212 mm
- Product without stand (mm): 614 x 365 x 52 mm
- Packaging in mm (WxHxD): 780 x 525 x 186 mm

## Weight

- Product with stand (kg): 6.56 kg
- Product without stand (kg): 4.70 kg
- Product with packaging (kg): 10.64 kg

## Operating conditions

- Temperature range (operation): 0 to 40 °C
- Temperature range (storage): -20 to 60 °C
- Relative humidity: 20%-80 %
- Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- MTBF: 50,000 hrs (excluding backlight) hour(s)

## Sustainability

- Environmental and energy: RoHS
- Recyclable packaging material: 100 %
- Specific Substances: Mercury free, PVC / BFR free housing

## Compliance and standards

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

## Cabinet

- Color: 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 2023-09-13

Version: 3.1.1

12 NC: 8670 001 80248  
EAN: 87 12581 78340 2

© 2023 Koninklijke Philips N.V.  
All Rights reserved.

Specifications are subject to change without notice.  
Trademarks are the property of Koninklijke Philips N.V.  
or their respective owners.

[www.philips.com](http://www.philips.com)

- \* "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 is to adjust brightness for blur reduction, so cannot adjust brightness while MPRT is turned on. To reduce motion blur, LED backlight will strobe synchronously with screen refresh, which may cause noticeable brightness change.
- \* MPRT is gaming-optimized mode. Turn on MPRT may cause noticeable screen flickering. It is recommended to turn off when you are not using the gaming function.
- \* NTSC Area based on CIE1976
- \* sRGB Area based on CIE1931
- \* 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.
- \* For Video transmission via USB-C, your Notebook/device must support USB-C DP Alt mode
- \* The monitor may look different from feature images.