

# PHILIPS

USB-C monitor

Monitor

5000 series

27" (68.6 cm)

3840 x 2160 (4K UHD)

27E1N5900R



## Simplify your connections with USB-C

This monitor is made to keep you connected. With features like USB-C 3.2 with power delivery, users can charge their linked device and work seamlessly, all with one cable. In addition, the singular cable makes for a clean workspace.

### Features designed for you

- EasySelect menu toggle key for quick on-screen menu access
- EasyRead mode for a paper-like reading experience
- MultiView enables simultaneous dual connection and view
- Cable management reduces cable clutter for neat workspace
- LowBlue mode and Flicker-free easy-on-the eyes viewing
- Tilt, pivot and height-adjust for an ideal viewing position

### 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
- SmartContrast for rich black details
- UltraClear 4K UHD (3840x2160) resolution for precision
- SmartImage game mode optimized for gamers
- DisplayHDR 400 for more lifelike and outstanding visuals

# Monitor

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27E1N5900R/27

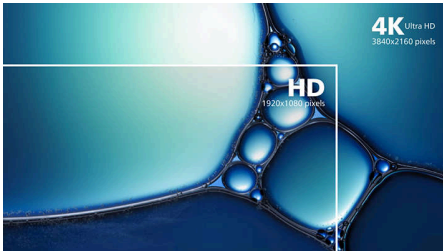
## Highlights

### DisplayHDR 400



VESA-certified DisplayHDR 400 delivers a significant step-up from normal SDR displays. Unlike, other 'HDR compatible' screens, true DisplayHDR 400 produces astonishing brightness, contrast and colors. With global dimming and minimum 400 nits brightness, images come to life with notable highlights while featuring deeper, more nuanced blacks. It renders a fuller palette of rich new colors, delivering a visual experience that engages your senses.

### UltraClear 4K UHD Resolution



These Philips displays utilize high performance panels to deliver UltraClear, 4K UHD (3840 x 2160) resolution images. Whether you are demanding professional requiring extremely detailed images for CAD solutions, using 3D graphics applications or a financial wizard working on huge spreadsheets, Philips displays will make your images and graphics come alive.

### SmartImage Game mode



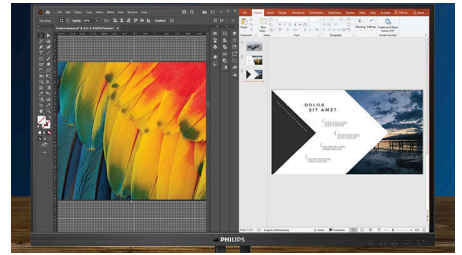
The new Philips gaming display has quick access OSD fine tuned for gamers, offering you multiple options. "FPS" mode (First person shooting) improves dark themes in games, allowing you to see hidden objects in dark areas. "Racing" mode adapts display with fastest response time, high color, along with 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



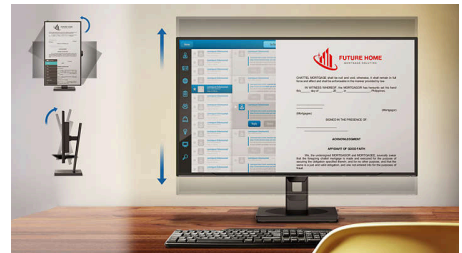
Our LowBlue Mode and Flicker-free technology have been developed to reduce eye strain and fatigue often caused by long hours in front of a monitor.

### 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.

### 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.

VESA CERTIFIED  
DisplayHDR™ 400

**4K**  
Ultra HD

**SmartImage™**  
Game

**LowBlue Mode**

**Multiview**

**CompactErgo  
Base**

**EasyRead**

**EasySelect**

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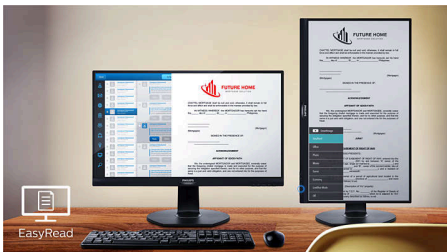
## Highlights

### SmartContrast



SmartContrast is a Philips technology that analyzes the contents you are displaying, automatically adjusting colors and controlling backlight intensity to dynamically enhance contrast for the best digital images and videos or when playing games where dark hues are displayed. When Economy mode is selected, contrast is adjusted and backlighting fine-tuned for just-right display of everyday office applications and lower power consumption.

### EasyRead mode



EasyRead mode for a paper-like reading experience

### EasySelect Menu Toggle Key



The discreetly placed EasySelect Menu Toggle Key allows you to make quick and easy adjustments to monitor settings in the On-Screen Display menu.

### Concealed cables



For a cleaner workspace, this monitor features an elegant solution for cable management. No need to bundle cables with extra ties. An elongated slot provides a hidden storage for cables. It conceals cables and looks great in most environments, especially for a small space or the desk that faces a wall or a window. This design cleans up messy cables, for a more organized desk.

### 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. 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.

VESA CERTIFIED  
DisplayHDR™ 400

**4K**  
Ultra HD

**SmartImage™**  
Game

**LowBlue Mode**

**Multiview**

**CompactErgo  
Base**

# Specifications

## Picture/Display

**Panel Size:** 27 inch / 68.6 cm

**Aspect ratio:** 16:9

**LCD panel type:** IPS technology

**Backlight type:** W-LED system

**Pixel pitch:** 0.1554 x 0.1554 mm

**Brightness:** 400 cd/m<sup>2</sup>

**Display colors:** Color support 1.07 billion colors

**Color gamut (typical):** Adobe RGB 91.38%; DCI-

P3:96.2%, sRGB: 128.69%, NTSC 109.05%\*

**Contrast ratio (typical):** 1200:1

**SmartContrast:** Mega Infinity DCR

**Response time (typical):** 4 ms (Gray to Gray)\*

**Viewing angle:** 178° (H) / 178° (V), @ C/R > 10

**Picture enhancement:** SmartImage game

**Maximum resolution:** 3840 x 2160 @ 60 Hz\*

**Effective viewing area:** 596.736 (H) x 335.664 (V)

**Scanning Frequency:** 30k - 140 kHz (H) / 48 - 60 Hz (V)

**sRGB**

**Delta E:** < 2 (sRGB)

**Flicker-free**

**Pixel Density:** 163.18 PPI

**LowBlue Mode**

**Display Screen Coating:** Anti-Glare, 3H, Haze 25%

**SmartUniformity:** 93 ~105%

**EasyRead**

**Adaptive sync**

**HDR:** HDR 400

## Connectivity

**Signal Input:** HDMI 2.0 x 1, DisplayPort 1.2 x 1, USB-C x 1 (DP Alt mode, Power Delivery up to 65W), USB3.2 x 2 with one fast charge

**Sync Input:** Separate Sync

**Audio (In/Out):** Audio out

**HDCP:** HDCP 1.4 (HDMI / DisplayPort/USB-C)

## Power Delivery

**Max power delivery:** Up to 65W (5V/3A, 7V/3A, 9V/3A, 10V/3A, 12V/3A, 15V/3A, 20V/3.25A)

**Version:** USB PD version 3.0

## Convenience

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

**User convenience:** Power On/Off, Menu, Brightness, 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)

**MultiView:** PBP (2x devices), PIP (2x devices)

## Stand

**Height adjustment:** 130 mm

**Pivot:** -/+ 90 degree

**Tilt:** -5/20 degree

## Power

**Power supply:** Internal, 100-240VAC, 50-60Hz

**Off mode:** 0.3 W (typ.)

**On mode:** 24.83 W (typ.)

**Standby mode:** 0.5 W (typ.)

**Power LED indicator:** Operation - White, Standby mode- White (blinking)

## Dimensions

**Packaging in mm (WxHxD):** 780 x 525 x 186 mm

**Product without stand (mm):** 613 x 365 x 53 mm

**Product with stand(max height):** 613 x 510 x 212 mm

## Weight

**Product with packaging (kg):** 11.07 kg

**Product with stand (kg):** 6.92 kg

**Product without stand (kg):** 5.05 kg

## Operating conditions

**Altitude:** Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)

**Temperature range (operation):** 0 to 40 °C

**MTBF:** 50,000 hrs (excluding backlight) hour(s)

**Relative humidity:** 20%-80 %

**Temperature range (storage):** -20 to 60 °C

## 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, FCC Class B, ICES-003, CCC, CECP, CEL, PSE, VCCI

## Cabinet

**Color:** Black

**Finish:** Textured



\* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.  
\* 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  
\* Adobe RGB and DCI-P3 Coverage based on CIE1976, sRGB Area based on CIE1931, NTSC Area based on CIE1976.  
\* 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.