

# PHILIPS

DUAL resolution  
monitor with USB-C

Monitor

5000 series

27" (68.6 cm)

3840 x 2160 (4K UHD)

1920 x 1080 (Full HD)

27E2N5900RW



## Built for Work. Capable of More

Unlock next-level efficiency with this monitor's Dual Resolution Mode. Seamlessly switch between 3840 x 2160 @ 144Hz and 1920 x 1080 @ 288Hz with a simple toggle for unmatched versatility and performance. Tailored to how you work and play.

### Features designed for you

- SoftBlue Technology: for comfortable viewing
- Ultra Slim Bezel: for minimal edges and more screen.
- EasyRead mode for a paper-like reading experience

### Single cable USB-C connection

- Connect your notebook with one USB-C cable
- USB 3.2 high speed data transfer

### Good for Gaming

- 288Hz trail-blazing refresh rate for smoothest gameplay
- Effortlessly smooth action with Adaptive-Sync technology

### Superb Picture Quality

- Dual Resolution Mode: The flexibility for work and play
- IPS LED wide view technology for image and color accuracy
- UltraClear 4K UHD (3840x2160) resolution for precision
- DisplayHDR 400 for more lifelike and outstanding visuals

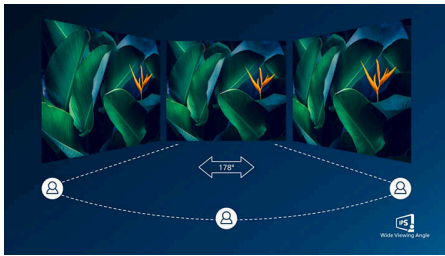
# Monitor

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27E2N5900RW/71

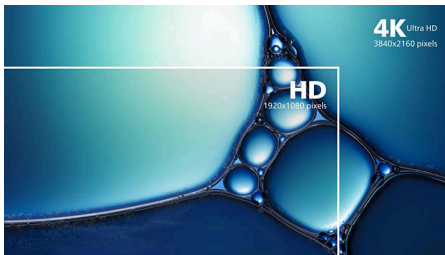
## Highlights

### 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.

### 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.

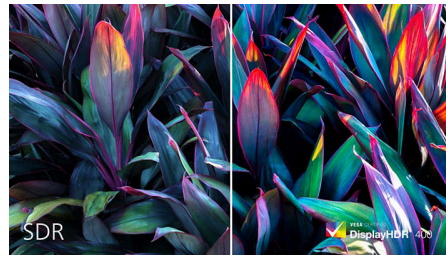
### Dual Resolution Mode



Unlock peak performance with a monitor built for every moment. Switch between ultra-sharp 4K at 144Hz for detailed creative work,

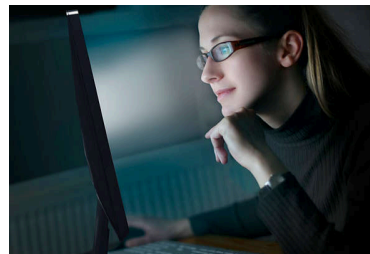
multitasking, and immersive visuals, or FHD at 288Hz for blazing-fast, fluid gameplay. Whether you're deep in design or in the heat of a match, this dual-resolution display delivers the perfect balance of clarity and speed, tailored to how you work and play.

### DisplayHDR 400



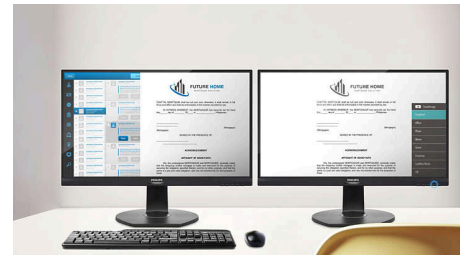
VESA-certified DisplayHDR 400 delivers a significant step-up from normal SDR displays. Unlike, other 'HDR compatible' screens, true DisplayHDR 400 produces astonishing brightness, contrast and colors. With global dimming and minimum 400 nits brightness, images come to life with notable highlights while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

### SoftBlue Technology



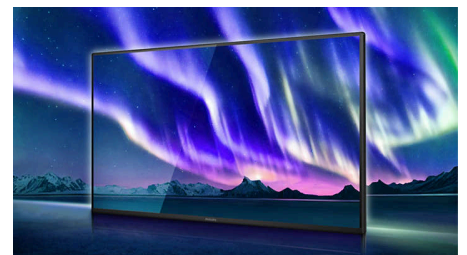
SoftBlue LED technology, combined with the monitor's low blue light panel, is an effective solution to reducing the adverse health effects caused by high exposure to blue light. In this monitor's panel, the ratio of light is reduced by nearly 50% while the SoftBlue LED technology works simultaneously by reducing harmful blue light rays emitted from the screen. Not to mention, the SoftBlue LED technology is tested and certified by TUV Rheinland Eyesafe for its effectiveness in reducing blue light emissions.

### EasyRead mode



EasyRead mode for a paper-like reading experience

### Ultra Slim Bezel



This monitor makes your viewing experience feel more seamless and complete by reducing the amount of frame surrounding the screen. The Ultra Slim Bezel feature makes for an elegant transition from the screen to the narrow monitor bezel; thereby making it more beautiful in form and function.

### 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.



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Highlights

High speed data transfer

USB 3.2 high speed data transfer

Adaptive-Sync technology



Gaming shouldn't be a choice between choppy gameplay or broken frames. Get fluid, artifact-free performance at virtually any framerate with Adaptive-Sync technology, smooth quick refresh and ultra fast response time.

Accelerated 288Hz refresh rate



For gaming and video performance, you demand display with lag free, ultra-smooth images. This Philips display redraws the screen image up--to 288 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 288Hz 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.



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## 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:** 350 cd/m<sup>2</sup>  
**Display colors:** 1.07B(8bits+FRC)  
**Color gamut (typical):** DCI-P3:97.83%, sRGB: 100.00%, NTSC 113.88%, Adobe RGB 111.92%.\*  
**Contrast ratio (typical):** 2000:1  
**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:** 3840x2160 @120 Hz (10 bits), @144Hz (8bits)  
**Effective viewing area:**  
596.736(H)x335.664(V)mm  
**Scanning Frequency:** 30 KHz-330KHz (H) ; UHD: 48-144Hz (V) ,FHD:48-288Hz (V)  
**sRGB**  
**Delta E:** <2 sRGB  
**SoftBlue**  
**Flicker-free**  
**Pixel Density:** 163 PPI  
**Display Screen Coating:** Anti-Glare, 3H, Haze 25%  
**SmartUniformity:** 93%- 105%  
**MPRT:** 0.5ms  
**EasyRead**  
**Adaptive sync**  
**HDR:** HDR 400  
**Dual mode:** UHD 120Hz/FHD 240Hz(10bits), UHD 144Hz/FHD 288Hz(8 bits)

### Connectivity

**Signal Input:** HDMI 2.1 x 1, DisplayPort 1.4 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), HDCP 2.3 (HDMI / DisplayPort/USB-C)

### USB

**Power delivery:** USB PD version 3.0  
**Super speed:** Data and Video transfer  
**DP:** Built-in Display Port Alt mode  
**USB-C max. power delivery:** Up to 65W (5V/3A,

7V/3A, 9V/3A, 10V/3A, 12V/3A, 15V/3A, 20V/3.25A)  
**USB-C:** Reversible plug connector

### Convenience

**Plug & Play Compatibility:** DDC/CI, sRGB, Windows 11 / 10, Mac OS  
**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:** 110 mm  
**Tilt:** -5/20 degree

### Power

**Power supply:** External, 100-240VAC, 50-60Hz  
**Off mode:** 0.3 W (typ.)  
**On mode:** 35.5 W (typ.)  
**Standby mode:** 0.5 W (typ.)  
**Power LED indicator:** Operation - White, Standby mode- White (blinking)

### Dimensions

**Packaging in mm (WxHxD):** 690 x 456 x 139 mm  
**Product without stand (mm):** 614 x 361 x 76 mm  
**Product with stand(max height):** 614 x 501 x 210 mm

### Weight

**Product with packaging (kg):** 6.87 kg  
**Product with stand (kg):** 4.65 kg  
**Product without stand (kg):** 3.50 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 %

### Compliance and standards

**Regulatory Approvals:** CB, CE Mark, CEL, CCC, CECP, UKCA, EMF, FCC, ICES-003

### Cabinet

**Color:** White/Silver  
**Finish:** Textured

### Design

**Designed in Amsterdam, NL**



\* "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  
\* DCI-P3 Coverage based on CIE1976, sRGB Coverage based on CIE1931, NTSC Area and Adobe RGB 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.  
\* The products and accessories listed on this leaflet may differ by country and region.