



4K UHD monitor

- 5000 series
- 27" (68.6 cm)
- 3840 x 2160 (4K UHD)

27E1N5800E/89

## Striking design, vibrant colors

Elevate your viewing experience for work and play. UltraClear 4K IPS display delivers accurate color and image reproduction from any angle. Ergonomic slim-frame monitor with cable management offers a stylish enhancement to your workspace.

### Benefits

#### Superb Picture Quality

- UltraClear 4K UHD (3840x2160) resolution for precision
- IPS LED wide view technology for image and color accuracy
- SmartContrast for rich black details
- 1.07 billion colors for stunning color and finest gradations

#### Good for Gaming

- SmartImage game mode optimized for gamers

#### Features designed for you

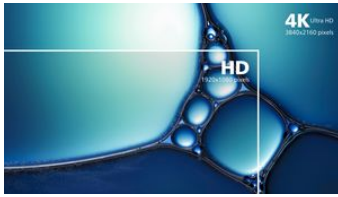
- LowBlue mode and Flicker-free easy-on-the eyes viewing
- EasyRead mode for a paper-like reading experience
- MultiView enables simultaneous dual connection and view
- Tilt, pivot and height-adjust for an ideal viewing position
- Cable management reduces cable clutter for neat workspace
- EasySelect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

# PHILIPS

## Monitor

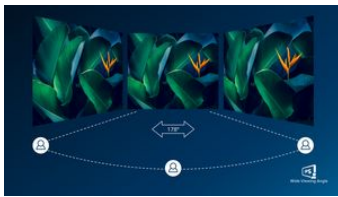
### Features

#### 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.

#### 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.

#### 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

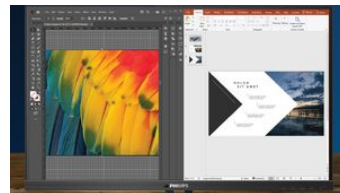


Our LowBlue Mode and Flicker-free technology have been developed to reduce eye strain and fatigue often caused by long hours in front of a monitor.

#### EasyRead mode



#### 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.

#### Cable management



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

#### 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.

Monitor

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.

Specifications

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Picture/Display

LCD panel type	IPS technology
Backlight type	W-LED system
Panel Size	27 inch / 68.6 cm
Display Screen	Anti-Glare, 3H, Haze 25%
Coating	
Effective viewing area	596.736 (H) x 335.664 (V)
Aspect ratio	16:9
Maximum resolution	3840 x 2160 @ 60 Hz*
Pixel Density	163.18 PPI
Response time (typical)	4 ms (Gray to Gray)*
Brightness	350 cd/m <sup>2</sup>
Contrast ratio (typical)	1000:1
SmartContrast	Mega Infinity DCR
Pixel pitch	0.1554 x 0.1554 mm
Viewing angle	178° (H) / 178° (V) @ C/R > 10
Flicker-free	Yes
Picture enhancement	SmartImage game
Color gamut (typical)	NTSC 106.4%*, sRGB 125.7%*
Display colors	Color support 1.07 billion colors
Scanning Frequency	30 - 114 kHz (H) / 48 - 75 Hz (V)
SmartUniformity	97 ~ 102%
Delta E	< 2 (sRGB)
LowBlue Mode	Yes
EasyRead	Yes
sRGB	Yes

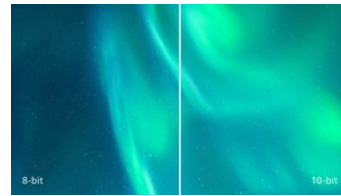
Connectivity

Signal Input	HDMI 2.0 x 2, DisplayPort 1.2 x 1
Sync Input	Separate Sync
Audio (In/Out)	Audio out

Convenience

MultiView	PIP/PBP mode 2x devices
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

1.07 billion colors



This display delivers outstanding color depth with 1.07 billion colors, and the finest gradation, for re-creating smooth, precise, and vivid image. Enjoy accurate and true-to-life visuals whether gaming, watching videos, or working on color critical work with graphics applications.

Other convenience	Portuguese Russian Simplified Chinese Spanish Swedish Traditional Chinese Turkish Ukrainian 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	37 W (typ.)
Standby mode	0.5 W (typ.)
Off mode	0.3 W (typ.)
Power LED indicator	Operation - White Standby mode- White (blinking)
Power supply	Internal 100-240VAC, 50-60Hz

Dimensions

Product with stand(max height)	613 x 510 x 212 mm
Product without stand (mm)	613 x 365 x 53 mm
Packaging in mm (WxHxD)	780 x 525 x 186 mm

Weight

Product with stand (kg)	6.30 kg
Product without stand (kg)	4.40 kg
Product with pack-aging (kg)	10.38 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)

Monitor

MTBF	50,000 hrs (excluding backlight) hour(s)	Cabinet	
		Color Finish	Black Textured
Sustainability			
Environmental and energy	RoHS		
Recyclable packaging material	Mercury Free 100 %		
Compliance and standards			
Regulatory Approvals	CB CE Mark FCC Class B ICES-003		

\* "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  
\* NTSC Area based on CIE1976  
\* sRGB Area based on CIE1931  
\* The monitor may look different from feature images.

