**4K UHD monitor**

**Monitor**

5000 series

27" (68.6 cm)

3840 x 2160 (4K UHD)

27E1N5800E

# 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.

**Superb Picture Quality**

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

**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
• EasySelect menu toggle key for quick on-screen menu access
• Cable management reduces cable clutter for neat workspace

# Highlights

## UltraClear 4K UHD Resolution
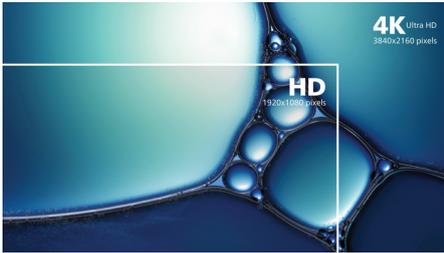


These Philips displays utilize high performance panels to deliver UltraClear, 4K UHD (3840 x 2160) resolution images. Whether you are demanding professional requiring extremely detailed images for CAD solutions, using 3D graphics applications or a financial wizard working on huge spreadsheets, Philips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

## IPS technology
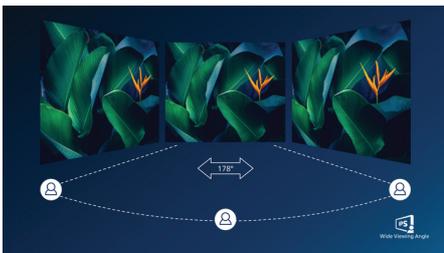


IPS displays use an advanced technology which gives you extra wide viewing angles of 178/178 degree, making it possible to view the display from almost any angle. Unlike standard TN panels, IPS displays gives you remarkably crisp images with vivid colors, making it ideal not only for Photos, movies and 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



EasyRead mode for a paper-like reading experience

## MultiView technology
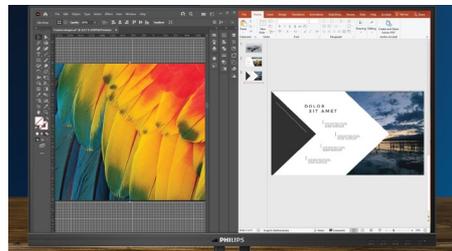


With the ultra-high resolution Philips MultiView display you can now experience a world of connectivity. MultiView enables active dual connect and view so that you can work with multiple devices like a PC and notebook simultaneously, for complex multi-tasking.

## 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.

4K Ultra HD  ·  IPS Wide Viewing Angle  ·  SmartImage Game  ·  LowBlue Mode  ·  Flicker-free  ·  CompactErgo Base  ·  EasyRead  ·  Multiview

# 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:** 3840 x 2160 @ 60 Hz*
**Pixel Density:** 163.18 PPI
**Response time (typical):** 4 ms (Gray to Gray)*
**Brightness:** 350 cd/m²
**Contrast ratio (typical):** 1000:1
**SmartContrast:** Mega Infinity DCR
**Pixel pitch:** 0.1554 x 0.1554 mm
**Viewing angle:** 178º (H) / 178º (V), @ C/R > 10
**Flicker-free**
**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**
**EasyRead**
**sRGB**

## 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, 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:** 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 packaging (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)
**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, FCC Class B, ICES-003, KC, KCC

## Cabinet

**Color:** Black
**Finish:** Textured

* "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.