Quad HD monitor

Monitor

5000 series

27" (68.6 cm)

2560 x 1440 (QHD)

27E1N5500LA

# Striking design, vibrant colours

Elevate your viewing experience for work and play with Philips. Crystal-clear QHD display delivers precise colour and vivid images from any angle. Ergonomic slim frame with cable management offers a stylish enhancement to your workspace.

## Features designed for you

- EasySelect menu toggle key for quick on-screen menu access
- Built-in stereo speakers for multimedia
- EasyRead mode for a paper-like reading experience
- Cable management reduces cable clutter for a neat workspace
- LowBlue mode and Flicker-free easy-on-the eyes viewing
- Tilt, pivot and adjust the height for an ideal viewing position

## Good for Gaming

- 1 ms (MPRT) fast response for crisp images and smooth gameplay
- SmartImage game mode optimised for gamers

## Superb Picture Quality

- SmartContrast for rich black details
- VA display delivers awesome images with wide viewing angles
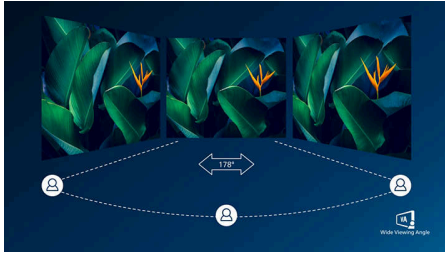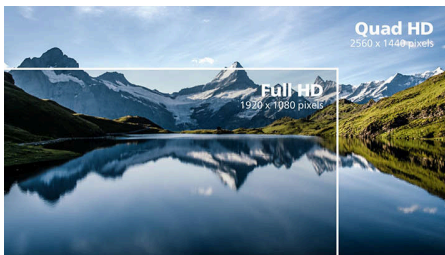- Crystal clear images with Quad HD 2560 x 1440 pixels

# Highlights

### VA display



The Philips VA LED display uses an advanced multi-domain vertical alignment technology that gives you super-high static contrast ratios for extra-vivid and bright images. While standard office applications are handled with ease, it is especially suitable for photos, web browsing, films, gaming and demanding graphical applications. Its optimised pixel management technology gives you a 178/178 degree extra-wide viewing angle, resulting in crisp images.

### CrystalClear images



These Philips screens deliver CrystalClear, Quad HD 2560 x 1440 or 2560 x 1080 pixel images. Utilising high performance panels with a high-density pixel count enabled by high bandwidth sources, these new displays will make your images and graphics come alive. Whether you are a 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.

### 1 ms MPRT fast response



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

### 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 the display with the fastest response time and high colour, along with image adjustments. "RTS" mode (Real-time strategy) has a special SmartFrame mode that enables highlighting of specific area and allows for size and image adjustments. Gamer 1 and Gamer 2 enable you to save personal customised settings based on different games, ensuring best performance.
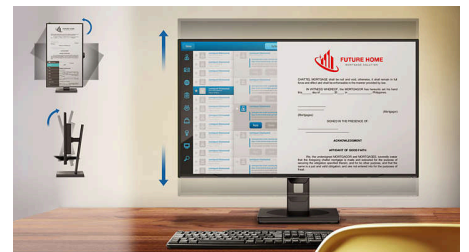
### Built-in stereo speakers



A pair of high-quality stereo speakers built into a display device. They may be visible front firing, or invisible down firing, top firing, rear firing etc. depending on model and design.

### LowBlue Mode and 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.

### 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.

Wide Viewing Angle  |  Quad HD  |  Fast Response 1ms MPRT  |  SmartImage Game  |  Built-in Speaker  |  LowBlue Mode  |  CompactErgo Base  |  EasySelect

# Highlights

## Cable management



Cable management is an intimate design that maintains a tidy workspace by organising the cables and wires required for the operation of a display device.
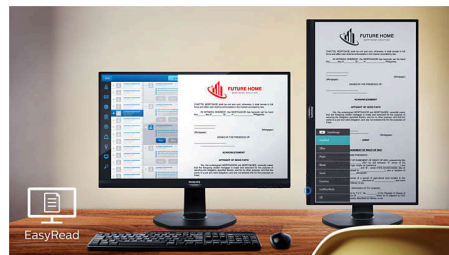
## EasySelect Menu Toggle Key



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

## EasyRead mode



EasyRead mode for a paper-like reading experience

## SmartContrast



SmartContrast is a Philips technology that analyses the contents you are displaying, automatically adjusting colours 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.



Wide Viewing Angle



Quad HD



Fast Response 1ms MPRT



SmartImage™ Game



Built-in Speaker



LowBlue Mode

# Specifications

## Picture/Display

**Panel Size:** 27 inch/68.6 cm
**Aspect ratio:** 16:9
**LCD panel type:** VA LCD
**Backlight type:** W-LED system
**Pixel pitch:** 0.2331 x 0.2331 mm
**Brightness:** 300 cd/m²
**Display colours:** 16.7 M
**Colour gamut (typical):** NTSC 96.38%*, sRGB 118.24%*
**Contrast ratio (typical):** 4000:1
**SmartContrast:** Mega Infinity DCR
**Response time (typical):** 4 ms (Grey to Grey)*
**Viewing angle:** 178º (H)/178º (V), @ C/R &gt; 10
**Picture enhancement:** SmartImage game
**Maximum resolution:** 2560 x 1440 @ 75 Hz*
**Effective viewing area:** 596.736 (H) x 335.664 (V)
**Scanning Frequency:** 30–114 kHz (H)/48–75 Hz (V)
**sRGB**
**Flicker-free**
**Pixel Density:** 108.79 PPI
**LowBlue Mode**
**Display Screen Coating:** Anti-Glare, 3H, Haze 25%
**MPRT:** 1 ms
**EasyRead**
**Adaptive sync**

## Connectivity

**Signal Input:** HDMI 1.4 x 2, DisplayPort 1.2 x 1
**Sync Input:** Separate Sync
**Audio (In/Out):** Audio out
**HDCP:** HDCP 1.4 (HDMI/DisplayPort)

## Convenience

**Built-in Speakers:** 3 W x 2
**Plug and Play Compatibility:** DDC/CI, Mac OS X, sRGB, Windows 11 / 10 / 8.1 / 8 / 7
**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 (100 x 100 mm)

## Stand

**Height adjustment:** 130 mm
**Pivot:** -/+ 90 degree
**Tilt:** -5/20 degree

## Power

**Power supply:** Internal, 100–240 VAC, 50–60 Hz
**Off mode:** 0.3 W (typ.)
**On mode:** 25.8 W (typ.)
**Standby mode:** 0.5 W (typ.)
**Power LED indicator:** Operation - White, Standby mode - White (flashing)
**Energy Label Class:** F

## Dimensions

**Packaging in mm (W x H x D):** 780 x 525 x 186 mm
**Product without stand (mm):** 614 x 365 x 52 mm
**Product with stand (max height):** 614 x 510 x 212 mm

## Weight

**Product with packaging (kg):** 9.64 kg
**Product with stand (kg):** 5.66 kg
**Product without stand (kg):** 3.77 kg

## Operating conditions

**Altitude:** Operation: +12,000 ft (3658 m), Non-operation: +40,000 ft (12,192 m)
**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, CU-EAC, EAEU RoHS, TUV/ISO9241-307, TUV-BAUART

## Cabinet

**Colour:** Black
**Finish:** Textured

## What's in the box?

**Cables:** HDMI cable, Power cable
**Monitor with stand**
**User Documentation**

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* 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 adjusts the brightness for blur reduction, so the brightness cannot be adjusted while MPRT is turned on. To reduce motion blur, the LED backlight will strobe in time with the screen refresh rate, which may cause a noticeable change in brightness.
* MPRT is a gaming-optimised mode. Turning on MPRT may cause noticeable screen flickering. It is recommended to turn this mode off when you are not using the gaming function.
* NTSC Area based on CIE 1976
* sRGB Area based on CIE1931
* The monitor may look different from feature images.

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