

# PHILIPS

Quad HD monitor

Monitor

1000 series

27" (68.6 cm)

2560 x 1440 (Quad HD)

27E2N1500



## Built for precision

This monitor is packed with features that allow you to work with absolute precision. Its Quad HD resolution, along with an overclockable 120Hz refresh rate and 1ms MPRT, this monitor showcases detailed imagery with the utmost definition.

### Good for Gaming

- 120Hz refresh rates for ultra-smooth, brilliant images

### Features designed for you

- EasyRead mode for a paper-like reading experience
- LowBlue mode and Flicker-free easy-on-the eyes viewing

### Easy to experience

- VESA mount for convenience
- HDMI ensures universal digital connectivity

### Superb Picture Quality

- SmartContrast for deep black level details
- IPS LED wide view technology for image and color accuracy
- Crystalclear images with Quad HD 2560 x 1440 pixels
- Effortlessly smooth action with Adaptive-Sync technology
- 1ms (MPRT) fast response for crisp image and smooth gameplay

# Monitor

Quad HD monitor

27E2N1500/70

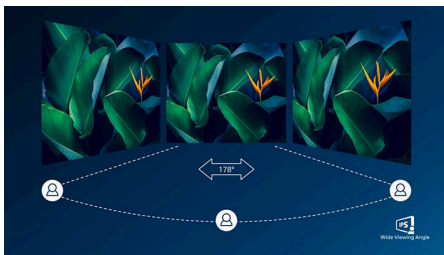
## Highlights

### Overclockable 120Hz refresh rate



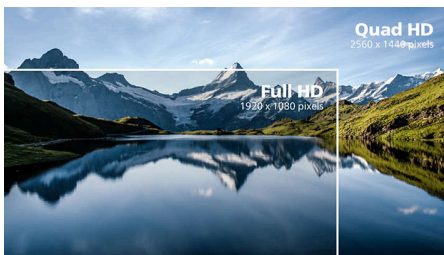
With an overclockable 120 Hz refresh rate, less skipped frames are ensured. You can easily target the enemy in ultra-clear, smooth motion.

### 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.

### Crystalclear images



These Philips screens deliver Crystalclear, Quad HD 2560x1440 or 2560x1080 pixel images. Utilizing high performance panels with high

density pixel count, enabled by high bandwidth sources, these new displays will make your images and graphics come alive. Whether you are 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.

### 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.

### 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.

### 1ms MPRT fast response



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

### 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.



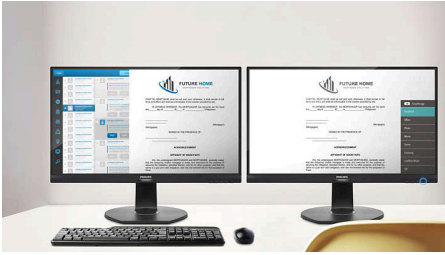
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## Highlights

### EasyRead mode



EasyRead mode for a paper-like reading experience

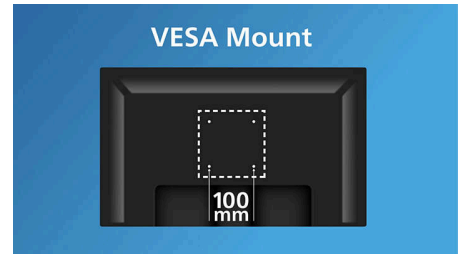
### HDMI Ready



An HDMI-ready device has all the required hardware to accept High-Definition Multimedia Interface (HDMI) input. A HDMI cable enables high-quality digital video and audio all

transmitted over a single cable from a PC or any number of AV sources (including set-top boxes, DVD players, A/V receivers and video cameras).

### VESA mount for convenience



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## Specifications

### Picture/Display

**Panel Size:** 27"/68.6cm  
**Aspect ratio:** 16:9  
**LCD panel type:** IPS technology  
**Backlight type:** W-LED system  
**Pixel pitch:** 0.2331 x 0.2331 mm  
**Brightness:** 250 cd/m<sup>2</sup>  
**Display colors:** 16.7 M (8 bits)  
**Contrast ratio (typical):** 1000:1  
**SmartContrast:** Mega Infinity DCR  
**Response time (typical):** 4 ms (Gray to Gray)\*  
**Viewing angle:** 178° (H) / 178° (V), @ C/R > 10  
**Picture enhancement:** SmartImage  
**Maximum resolution:** 2560 x 1440 @ 120 Hz (Overclock)\*  
**Effective viewing area:** 596.736 (H) x 335.664 (V)  
**Scanning Frequency:** 30 KHz - 190 KHz (H) / 48 Hz - 120 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 (VRR)**  
**HDR:** HDR 10

### Connectivity

**Signal Input:** DP1.2 x 1, HDMI 2.0 x 1  
**Sync Input:** Separate Sync  
**HDCP:** HDCP 1.4 (HDMI / DisplayPort), HDCP 2.2 (HDMI / DisplayPort)

### Convenience

**Plug & Play Compatibility:** DDC/CI, Mac OS, sRGB, Windows 11 / 10  
**User convenience:** Power On/Off, Menu, Input, SmartImage, Brightness  
**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)

### Stand

**Tilt:** -5/20 degree

### Power

**Power supply:** External, 100-240VAC, 50-60Hz  
**Off mode:** 0.3 W (typ.)  
**On mode:** 25.6 W (typ.)  
**Standby mode:** 0.5 W (typ.)  
**Power LED indicator:** Operation - White, Standby mode- White (blinking)

### Dimensions

**Packaging in mm (WxHxD):** 690 x 480 x 124 mm  
**Product without stand (mm):** 614 x 363 x 35 mm  
**Product with stand(max height):** 614 x 457 x 200 mm

### Weight

**Product with packaging (kg):** 5.6 kg  
**Product with stand (kg):** 3.18 kg  
**Product without stand (kg):** 2.81 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, CEL, CCC, CECP, UKCA, EMF, FCC, ICES-003, ETL, CEC

### Cabinet

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



- \* 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.
- \* This maximum resolution works for HDMI input only.
- \* The Overclock function increases the native refresh rate, however, it does have some associated risks along with it. If the screen is displayed abnormally after rebooting, please switch off the Overclock setting located in the monitor's OSD menu.
- \* MPRT is to adjust brightness for blur reduction, so cannot adjust brightness while MPRT is turned on. To reduce motion blur, LED backlight will strobe synchronously with screen refresh, which may cause noticeable brightness change.
- \* MPRT is gaming-optimized mode. Turn on MPRT may cause noticeable screen flickering. It is recommended to turn off when you are not using the gaming function.
- \* The monitor may look different from feature images.
- \* The products and accessories listed on this leaflet may differ by country and region.