

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 a 100Hz refresh rate and 1ms MPRT, this monitor showcases detailed imagery with the utmost definition.

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

- 100Hz refresh rates for ultra-smooth images
- 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

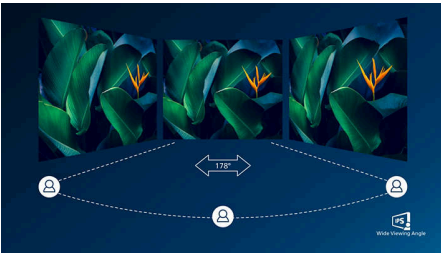
Monitor

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27E2N1500/27

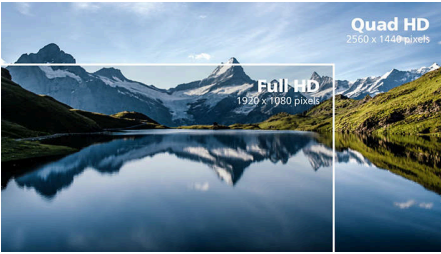
Highlights

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.

Crystalclear images



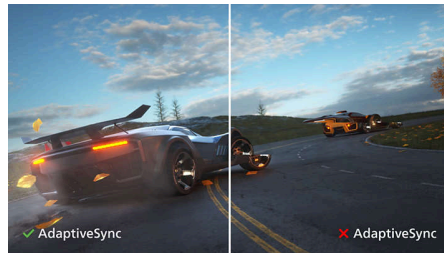
These Philips screens deliver Crystalclear, Quad HD 2560x1440 or 2560x1080 pixel images. Utilizing high performance panels with high density pixel count, enabled by high bandwidth sources, these new displays will make your images and graphics come alive. Whether you are demanding professional requiring 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.

100Hz Fast refresh



This Philips display refreshes the screen image up to 100 times per second which makes this monitor much faster than a standard display. With a 100Hz frame rate, gamers are able to find those critical images on the screen that show enemy movement in an ultra-smooth motion so that they are easily targetable.

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 the 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.



Wide Viewing Angle



Quad HD



100Hz



Adaptive -Sync



SmartContrast



Fast Response
1ms MPRT



LowBlue Mode



EasyRead

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27E2N1500/27

Highlights

EasyRead mode



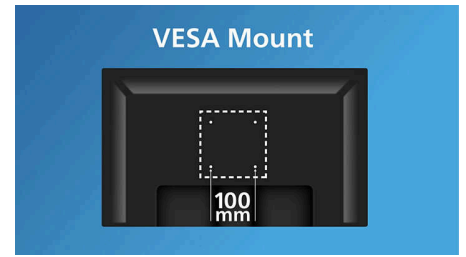
Experience improved comfort and readability when reading long, text-heavy documents. EasyRead Mode creates a paper-like viewing experience that's gentler on your eyes by adjusting your display's colors and zoom levels which simulate the feeling of reading on real paper—right on your digital display.

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



Industry-standard VESA mounting holes ensure compatibility with most small form factor PCs and thin clients.

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27E2N1500/27

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/m²
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 game
Maximum resolution: 2560 x 1440 @ 100 Hz
Effective viewing area: 596.736 (H) x 335.664 (V)
Scanning Frequency: 30 KHz - 150 KHz (H) / 48 Hz - 100 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)

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 X, sRGB, Windows 11 / 10
User convenience: Power On/Off, Menu, Input, SmartImage Game, 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

Product with stand (mm): 614 x 457 x 200 mm
Packaging in mm (WxHxD): 690 x 420 x 126 mm
Product without stand (mm): 614 x 363 x 35 mm

Weight

Product with packaging (kg): 5.53 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

* 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.