

PHILIPS

Quad HD LCD
monitor with USB-C

Monitor

2000 series

27" (68.6 cm)

2560 x 1440 (Quad HD)

27E1N2600AE



Work in style

This monitor is equipped with essentials for the workplace, such as Softblue to protect the eyes, IPS LED wide view technology and 120Hz refresh rate for high-quality imagery, and 1ms MPRT for sharp visuals.

Good for Gaming

- 1ms (MPRT) fast response for crisp image and smooth gameplay
- Effortlessly smooth action with Adaptive-Sync technology

Easy to experience

- Built-in stereo speakers for multimedia
- SoftBlue Technology: for comfortable viewing
- Connect your notebook with one USB-C cable
- HDMI ensures universal digital connectivity

Superb Picture Quality

- 120Hz 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
- High Dynamic Range (HDR) for more lifelike colorful visuals

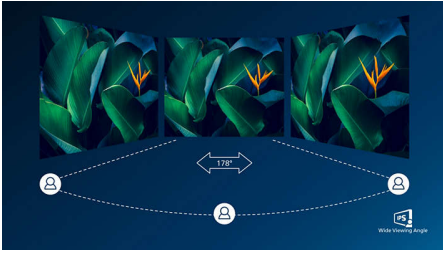
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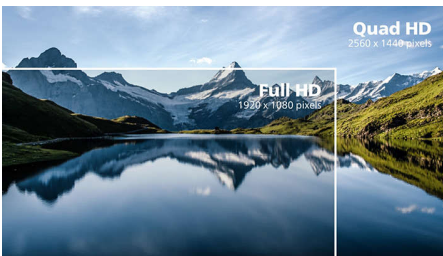
Highlights

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.

SmartContrast



SmartContrast is a Philips technology that analyzes the contents you are displaying, automatically adjusting colors and controlling

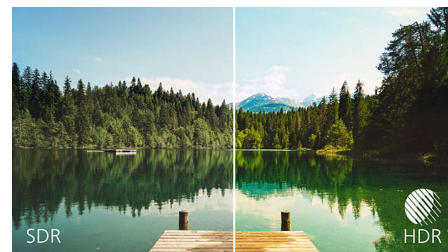
backlight intensity to dynamically enhance contrast for the best digital images and videos or when playing games where dark hues are displayed. When Economy mode is selected, contrast is adjusted and backlighting fine-tuned for just-right display of everyday office applications and lower power consumption.

120Hz Fast refresh



For gaming and video performance, you demand display with lag free, ultra-smooth images. This Philips display redraws the screen image up-to 120 times per second, much faster than a standard display. A lower frame rate can make enemies appear to jump from spot to spot on the screen, making them difficult targets to hit. With 120Hz frame rate, you get those critical missing images on the screen which shows enemy movement in ultra-smooth motion so you can easily target them.

High Dynamic Range (HDR)



High Dynamic Range delivers a dramatically different visual experience. With astonishing brightness, incomparable contrast and captivating color, images come to life with much greater brightness while also featuring much deeper, more nuanced darks. It renders a fuller palette of rich new colors never before seen on display, giving you a visual experience that engages your senses and inspires emotions.

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).

USB-C connection



This Philips display features a USB type-C connector with power delivery. With intelligent and flexible power management, you can power charge your compatible device directly. Its slim, reversible USB-C allows for easy, one-cable connection. You can watch high resolution video and transfer data at a super-speed, while powering up and re-charging your compatible device at the same time.

Built-in stereo speakers



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



Built-in Speaker

Adaptive-Sync

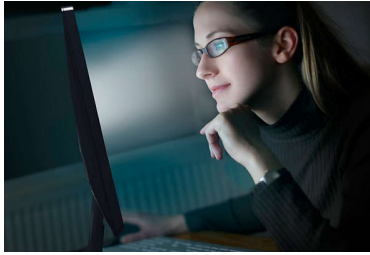
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SoftBlue Technology



SoftBlue LED technology, combined with the monitor's low blue light panel, is an effective solution to reducing the adverse health effects caused by high exposure to blue light. In this monitor's panel, the ratio of light is reduced by nearly 50% while the SoftBlue LED technology works simultaneously by reducing harmful blue light rays emitted from the screen.

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.

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 monitor with 1 ms MPRT effectively eliminates smearing and motion blur, delivers sharper and precise visuals to enhance gaming experience. Best choice for playing thrilling and twitch-sensitive games.

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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: 350 cd/m²

Display colors: 16.7 M

Color gamut (typical): Adobe RGB 87.31%; DCI-

P3:90.31%, sRGB: 114.28%, NTSC 101.9% *

Contrast ratio (typical): 1500:1

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: 2560x1440 @ 120 Hz

Effective viewing area: 596.74 (H) x 335.66 (V)

Scanning Frequency: 30 KHz - 190KHz (H) / 48 Hz - 120 Hz (V)

sRGB

SoftBlue

Flicker-free

Pixel Density: 82 PPI

LowBlue Mode

Display Screen Coating: Anti-Glare, 3H, Haze 25%

MPRT: 1 ms*

EasyRead

Adaptive sync (VRR)

HDR: HDR 10

Connectivity

Signal Input: HDMI 2.0 x 1, USB-C x 1 (upstream, DP ALT mode)

Sync Input: Separate Sync

Audio (In/Out): Audio out

HDCP: HDCP 2.2 (HDMI / USB-C)

USB Hub: USB 3.2 Gen 1, USB-A downstream x 2 (with 1 fast charge B.C 1.2)

Power Delivery

Max power delivery: up to 65W (5V/3A, 7V/3A, 9V/3A, 10V/3A, 12V/3A, 15V/3A, 20V/3.25A)

Version: USB PD version 3.0

Convenience

Built-in Speakers: 2W X 2

Plug & Play Compatibility: DDC/CI, Mac OS,

sRGB, Windows 11 / 10

User convenience: Power On/Off, Menu, Volume, Input, SmartImage

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

Height adjustment: 100 mm

Tilt: -5/20 degree

Power

Power supply: Internal, 100-240VAC, 50-60Hz

Off mode: 0.3 W (typ.)

On mode: 21 W (typ.)

Standby mode: 0.5 W (typ.)

Power LED indicator: Operation - White, Standby mode - White (blinking)

Dimensions

Packaging in mm (WxHxD): 780 x 420 x 161 mm

Product without stand (mm): 617 x 357 x 46 mm

Product with stand(max height): 617 x 483 x 220 mm

Weight

Product with packaging (kg): 8.87 kg

Product with stand (kg): 5.75 kg

Product without stand (kg): 3.97 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: PVC / BFR free housing

Compliance and standards

Regulatory Approvals: CB, CE Mark, PSE, VCCI, UKCA, EMF, FCC, ICES-003

Cabinet

Color: Black

Finish: Textured



* Response time value equal to SmartResponse

* Adobe RGB and DCI-P3 Coverage based on CIE1976, sRGB Area based on CIE1931, NTSC Area based on CIE1976.

* 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 products and accessories listed on this leaflet may differ by country and region.

* The monitor may look different from feature images.