PHILIPS

Built for precision

This monitor is packed with features that allow you to work with absolute precision. Its Full HD resolution, along with a 120 Hz 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

Good for Gaming
- 1 ms (MPRT) fast response for crisp images and smooth gameplay
- 120 Hz refresh rates for ultra-smooth, brilliant images
- Effortlessly smooth action with Adaptive-Sync technology

Easy to experience
- VESA mount for convenience
- HDMI ensures universal digital connectivity

Superb Picture Quality
- SmartContrast for deep black level details
- 16:9 Full HD display for crisp, detailed images
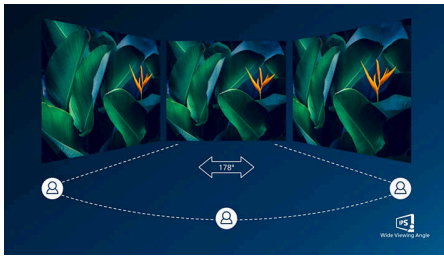- IPS LED wide view technology for image and colour accuracy

Highlights

IPS technology

IPS displays use an advanced technology that gives you extra-wide viewing angles of 178/178 degrees, making it possible to view the display from almost any angle. Unlike standard TN panels, IPS displays give you remarkably crisp images with vivid colours, making them ideal not only for Photos, movies and web browsing, but also for professional applications that demand colour accuracy and consistent brightness at all times.

16:9 Full HD display

Picture quality matters. Regular displays deliver quality, but you expect more. This display features enhanced Full HD 1920 x 1080 resolution. With Full HD for crisp detail paired with high brightness, incredible contrast and realistic colours, expect a true-to-life picture.

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.

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.
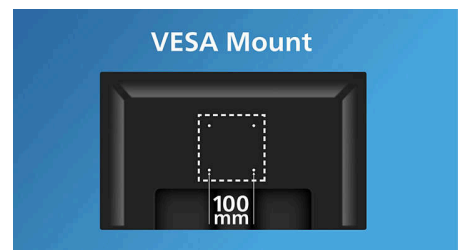
EasyRead mode

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. An HDMI cable enables high-quality digital video and audio to be 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).
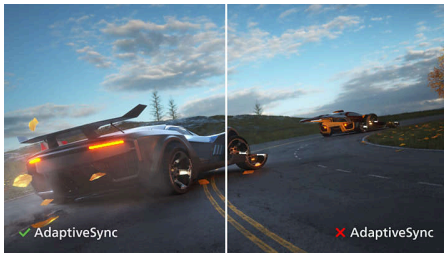
VESA mount for convenience

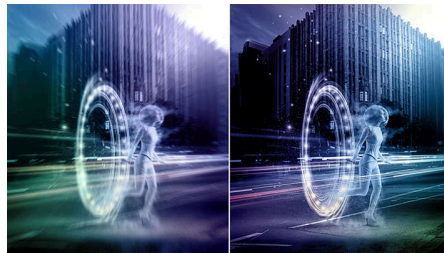
VESA mount for convenience

IPS
Wide Viewing Angle   Full HD 1080p   SmartContrast   LowBlue Mode   EasyRead   HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE   Adaptive-Sync   1ms Fast Response 1ms MPRT

Highlights

Adaptive-Sync technology

Gaming shouldn't be a choice between choppy gameplay or screen tearing. Get fluid, artefact-free performance at virtually any framerate with Adaptive-Sync technology, smooth, quick refresh and ultra-fast response time.

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.

120 Hz Gaming

You play intense, competitive games. You demand a display with lag-free, ultra-smooth images. This Philips display redraws the screen image up to 120 times per second, effectively 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 120 Hz frame rate, you get those critical missing images on the screen, showing enemy movement in ultra-smooth motion so you can easily target them. With ultra-low input lag and no screen tearing, this Philips display is your perfect gaming partner.

Wide Viewing Angle

Full HD 1080p

SmartContrast

LowBlue Mode

EasyRead

HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE

Specifications

Picture/Display

Panel Size: 27 inch/68.6 cm
Aspect ratio: 16:9
LCD panel type: IPS technology
Backlight type: W-LED system
Pixel pitch: 0.3114 x 0.3114 mm
Brightness: 300 cd/m²
Display colours: 16.7 M (6 bit + A-FRC)
Colour gamut (typical): DCI-P3:79.86%, sRGB: 104.02%, NTSC 91.27%, Adobe RGB 89.71%.*
Contrast ratio (typical): 1500:1
SmartContrast: Mega Infinity DCR
Response time (typical): 4 ms (Grey to Grey)*
Viewing angle: 178º (H)/178º (V), @ C/R > 10
Picture enhancement: SmartImage
Maximum resolution: 1920 x 1080 @ 120 Hz (HDMI)
Effective viewing area:
597.89 (H) x 336.31 (V) mm
Scanning Frequency: VGA: 30–85 kHz (H)/48–60 Hz (V); HDMI: 30–140 kHz (H)/48–120 Hz (V)
sRGB
Flicker-free
Pixel Density: 81.59 PPI
LowBlue Mode
Display Screen Coating: Anti-Glare, 3H, Haze 25%
MPRT: 1 ms*
EasyRead
Adaptive sync

Connectivity

Signal Input: VGA x 1, HDMI 1.4 x 1
Sync Input: Separate Sync
HDCP: HDCP 1.4 (HDMI)

Convenience

Plug and Play Compatibility: DDC/CI, sRGB, Windows 11/10
User convenience: Power On/Off, Menu, Brightness, 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 (100 x 100 mm)

Stand

Tilt: -5/20 degree

Power

Power supply: External, 100–240 VAC, 50–60 Hz
Off mode: 0.3 W (typ.)
On mode: 15.6 W (typ.)
Standby mode: 0.5 W (typ.)
Power LED indicator: Operation - White, Standby mode - White (flashing)
Energy Label Class: E

Dimensions

Packaging in mm (W x H x D):
690 x 447 x 124 mm
Product without stand (mm): 617 x 358 x 33 mm
Product with stand (max height):
617 x 451 x 200 mm

Weight

Product with packaging (kg): 6.04 kg
Product with stand (kg): 3.50 kg
Product without stand (kg): 3.13 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

Compliance and standards

Regulatory Approvals: CB, CE Mark, TUV/ISO9241-307, TUV-BAUART, EAC, EAEU RoHS, KC, CEL, CCC, CECP, UKCA, EMF, FCC, ICES-003

Cabinet

Colour: Black
Finish: Textured

What's in the box?

Cables: HDMI cable, Power Cable

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* 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
* DCI-P3 Coverage based on CIE1976, sRGB Area based on CIE1931, NTSC Area and Adobe RGB Area based on CIE1976
* 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.
* The products and accessories listed on this leaflet may differ by country and region.
* The monitor may look different from feature images.