Gaming monitor

- E Line
- 24 (23.8" / 60.5 cm diag.)
- 1920 x 1080 (Full HD)

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Gear up

for a clear advantage

The Philips E line gaming monitor is a great all-around display that delivers serious tear-free gameplay. AMD FreeSync™, 144Hz fast refresh rate and 1ms deliver smooth entertainment experience no matter playing games and watching movies.

Benefits

Immersive visuals

- VA display delivers awesome images with wide viewing angles
- SmartContrast for rich black details
- 16:9 Full HD display for crisp detailed images

The gaming advantage is yours

- AMD FreeSync™ Premium; tear free, stutter free, fluid gaming
- 144Hz refresh rates for ultra-smooth, brilliant images
- 1ms (MPRT) fast response for crisp image and smooth gameplay

- SmartImage game mode optimized for gamers
- Ultra Wide-Color wider range of colors for a vivid picture
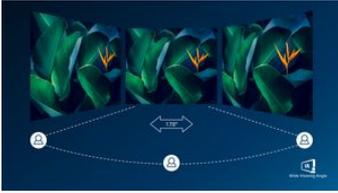
Features designed for you

- Less eye fatigue with Flicker-free technology
- LowBlue Mode for easy on-the-eyes productivity
- Built-in stereo speakers for multimedia

PHILIPS

Features

VA display

Philips VA LED display uses an advanced multi-domain vertical alignment technology which 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, movies, gaming, and demanding graphical applications. It's optimized pixel management technology gives you 178/178 degree extra wide viewing angle, resulting in crisp images.

AMD FreeSync™ Premium

Gaming shouldn't be a choice between choppy gameplay or broken frames. AMD FreeSync™ Premium equips serious gamers with a fluid, tear-free gameplay experience at peak performance. There are no compromises, game confidently with a high refresh rate, low framerate compensation, and low latency.
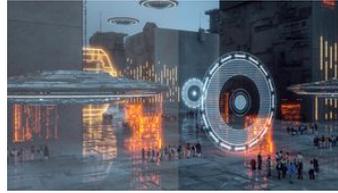
144Hz Gaming

You play intense, competitive gaming. You demand display with lag free, ultra-smooth images. This Philips display redraws the screen image up-to 144 times per second, effectively 2.4x 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 144Hz 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. With ultra-low input lag and no screen tearing, this Philips display is your perfect gaming partner

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.

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 display with fastest response time, high color, along with image adjustments. "RTS" mode (Real time strategy) has a special SmartFrame mode which enables highlighting of specific area and allows for size and image adjustments. Gamer 1 and Gamer 2 enable you to save personal customized settings based on different games, ensuring best performance.

Ultra Wide-Color Technology

Ultra Wide-Color Technology delivers a wider spectrum of colors for a more brilliant picture. Ultra Wide-Color wider "color gamut" produces more natural-looking greens, vivid reds and deeper blues. Bring, media entertainment, images, and even productivity more alive and vivid colors from Ultra Wide-Color Technology.

Flicker-free technology

Due to the way brightness is controlled on LED-backlit screens, some users experience flicker on their screen which causes eye fatigue. Philips Flicker-free Technology applies a new solution to regulate brightness and reduce flicker for more comfortable viewing.

LowBlue Mode

Studies have shown that just as ultra-violet rays can cause eye damage, shortwave length blue light rays from LED displays can cause eye damage and affect vision over time. Developed for wellbeing, Philips LowBlue Mode setting uses a smart software technology to reduce harmful shortwave blue light.

Monitor

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.

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.

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 colors expect a true to life picture.

Specifications

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Picture/Display

LCD panel type	VA LCD
Backlight type	W-LED system
Panel Size	23.8 inch / 60.5 cm
Display Screen Coating	Anti-Glare, 3H, Haze 25%
Effective viewing area	527.04 (H) x 296.46 (V)
Aspect ratio	16:9
Maximum resolution	1920 x 1080 @ 144 Hz*
Pixel Density	93 PPI
Response time (typical)	4 ms (Gray to Gray)*
MPRT	1 ms
Brightness	350 cd/m²
Contrast ratio (typical)	3500:1
SmartContrast	Mega Infinity DCR
Pixel pitch	0.2745 x 0.2745 mm
Viewing angle	178° (H) / 178° (V) @ C/R > 10
Flicker-free	Yes
Picture enhancement	SmartImage game
Color gamut (typical)	NTSC 96.1%*, sRGB 125.9%*
Display colors	16.7 M
Scanning Frequency	30 - 160 kHz (H) / 48 - 144 Hz (V)
LowBlue Mode	Yes
EasyRead	Yes
sRGB	Yes
AMD FreeSync™ technology	Premium

Connectivity

Signal Input	HDMI (digital, HDCP) DisplayPort x 1
Sync Input	Separate Sync
Audio (In/Out)	Audio out

Convenience

Built-in Speakers	3 W x 2
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 (100x100mm)
Plug & Play Compatibility	DDC/CI Mac OS X sRGB Windows 10 / 8.1 / 8 / 7

Stand

Tilt	-5/20 degree

Power

On mode	14.83 W (typ.) (EnergyStar test method)
Standby mode	0.5 W (typ.)
Off mode	0.3 W (typ.)
Power LED indicator	Operation - White Standby mode- White (blinking)

data subject to change
2023, June 18

Monitor

Power supply	External 100-240VAC, 50-60Hz	MTBF	50,000 hrs (excluding backlight) hour(s)

Dimensions

Product with stand (mm)	540 x 414 x 207 mm
Product without stand (mm)	540 x 325 x 43 mm
Packaging in mm (WxHxD)	586 x 476 x 148 mm

Weight

Product with stand (kg)	3.07 kg
Product without stand (kg)	2.49 kg
Product with packaging (kg)	4.83 kg

Operating conditions

Temperature range (operation)	0 to 40 °C
Temperature range (storage)	-20 to 60 °C
Relative humidity	20%-80 %
Altitude	Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)

Sustainability

Environmental and energy	EnergyStar 8.0 RoHS
Recyclable packaging material	100 %
Specific Substances	Mercury free PVC / BFR free housing

Compliance and standards

Regulatory Approvals	CB TUV/ISO9241-307 TUV-BAUART CU-EAC EAEU RoHS CE Mark

Cabinet

Color	Black / Dark Chrome
Finish	Textured

* Response time value equal to SmartResponse
* 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.
* NTSC Area based on CIE1976
* sRGB Area based on CIE1931
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* The monitor may look different from feature images.

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