Philips
Gaming monitor

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

242E1GSJ

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.

Features designed for you
- Less eye fatigue with Flicker-free technology
- LowBlue Mode for easy on-the-eyes productivity

The gaming advantage is yours
- 1ms (MPRT) fast response for crisp image and smooth gameplay
- AMD FreeSync™ Premium; tear free, stutter free, fluid gaming
- SmartImage game mode optimized for gamers
- 144Hz refresh rates for ultra-smooth, brilliant images
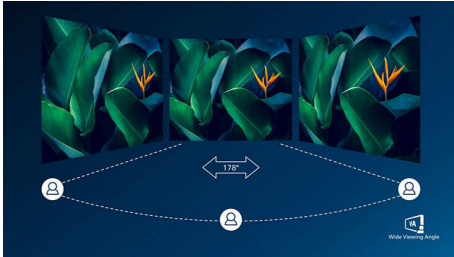- Ultra Wide-Color wider range of colors for a vivid picture

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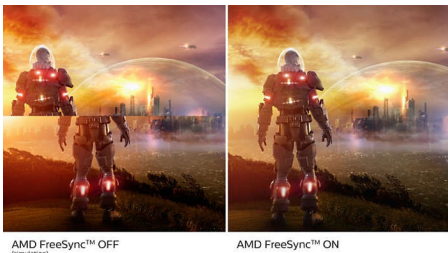
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Highlights

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

AMD FreeSync™ OFF (simulation)   AMD FreeSync™ ON

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.
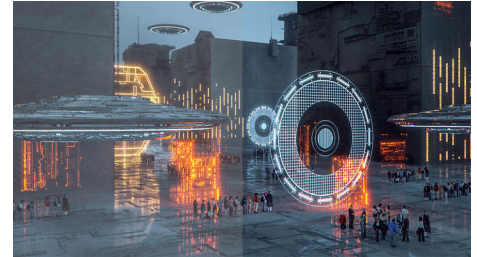
144Hz Gaming

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.

VA — Wide Viewing Angle   AMD FreeSync Premium   144Hz   Fast Response 1ms MPRT   SmartImage Game   Ultra Wide Color   Flicker-free   LowBlue Mode   Full HD 1080p   Full HD 1080p

Specifications

Picture/Display
- Panel Size: 23.8 inch / 60.5 cm
- Aspect ratio: 16:9
- LCD panel type: VA LCD
- Backlight type: W-LED system
- Pixel pitch: 0.2745 x 0.2745 mm
- Brightness: 350 cd/m²
- Display colors: 16.7 M
- Color gamut (typical): NTSC 96.1%*, sRGB 125.9%*
- Contrast ratio (typical): 3500:1
- 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: 1920 x 1080 @ 144 Hz*
- Effective viewing area: 527.04 (H) x 296.46 (V)
- Scanning Frequency: 30 - 160 kHz (H) / 48 - 144 Hz (V)
- sRGB
- Flicker-free
- Pixel Density: 93 PPI
- LowBlue Mode
- Display Screen Coating: Anti-Glare, 3H, Haze 25%
- MPRT: 1 ms
- EasyRead
- AMD FreeSync™ technology: Premium

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

Convenience
- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 10 / 8.1 / 8 / 7
- User convenience: Power On/Off, Menu, Brightness, 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)

Stand
- Tilt: -5/20 degree

Power
- Power supply: External, 100-240VAC, 50-60Hz
- Off mode: 0.3 W (typ.)
- On mode: 14.83 W (typ.) (EnergyStar test method)
- Standby mode: 0.5 W (typ.)
- Power LED indicator: Operation - White, Standby mode- White (blinking)

Dimensions
- Product with stand (mm): 540 x 414 x 195 mm
- Product with stand in inch: 21.3 x 16.3 x 7.7 inch
- Packaging in mm (WxHxD): 586 x 466 x 127 mm
- Product without stand (mm): 540 x 325 x 43 mm
- Packaging in inch (WxHxD): 23.1 x 18.3 x 5.0 inch
- Product without stand in inch: 21.3 x 12.8 x 1.7 inch

Weight
- Product with packaging (kg): 4.83 kg
- Product with stand (kg): 3.17 kg
- Product with packaging (lb): 10.63 lb
- Product with stand (lb): 6.97 lb
- Product without stand (kg): 2.49 kg
- Product without stand (lb): 5.48 lb

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: EnergyStar 8.0, RoHS, Mercury Free
- Recyclable packaging material: 100 %

Compliance and standards
- Regulatory Approvals: EPA, cETLus, CB, FCC Class B

Cabinet
- Color: Black
- Finish: Textured

What's in the box?
- Cables: HDMI cable, Power cable
- Monitor with stand
- User Documentation

* 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.