

# PHILIPS

Full HD LCD monitor

E Line

24 (23.8" / 60.5 cm diag.)

1920 x 1080 (Full HD)

242E2F



## Experience true color, unconstrained visuals

The new Philips E line monitor with 4-sides narrow border and cable management design offers a stylish enhancement to your workspace. Experience crisp Full HD visuals, 1ms and AMD FreeSync™ technology for smooth gaming action.

### Features designed for you

- EasySelect menu toggle key for quick on-screen menu access
- Less eye fatigue with Flicker-free technology
- LowBlue Mode for easy on-the-eyes productivity
- Cable management reduces cable clutter for neat workspace

### Good for Gaming

- 1ms (MPRT) fast response for crisp image and smooth gameplay
- Effortlessly smooth gameplay with AMD FreeSync™ technology
- SmartImage game mode optimized for gamers

### Superb Picture Quality

- SmartContrast for rich black details
- IPS LED wide view technology for image and color accuracy
- 4-sided frameless display

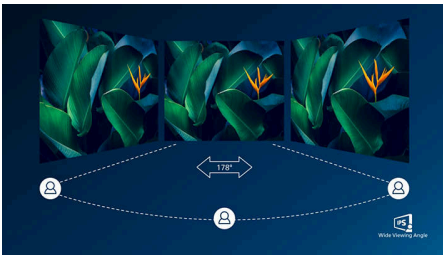
# Highlights

## 4-sided frameless



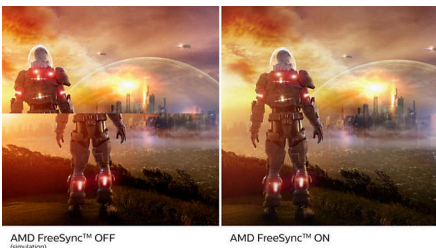
Extremely minimizing 4-sided bezels on this virtually frameless display gives minimalist look and offers an expansive viewing experience. Expand your productivity and make you focus on the vivid images with seamless visions. Significant wide view without distraction even multi monitor set-up in pivot mode.

## 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.

## Ultra-smooth gaming



Gaming shouldn't be a choice between choppy gameplay or broken frames. With the new Philips monitor it doesn't have to be. Get fluid,

artifact-free performance at virtually any framerate with AMD FreeSync™ 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 to 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.

## SmartImage Game mode



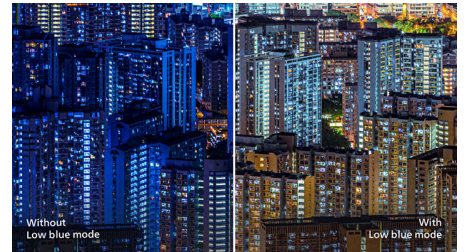
The new Philips gaming display has quick access OSD fine tuned for gamers, offering you multiple options. "FPS" mode (First person shooting) improves dark themes in games, allowing you to see hidden objects in dark areas. "Racing" mode adapts display with fastest response time, high color, along with 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.

## Flicker-free technology

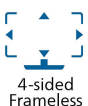


Due to the way brightness is controlled on LED-backlit screens, some users experience flicker on their screen which causes eye fatigue. Philips Flicker-free Technology applies a new solution to regulate brightness and reduce flicker for more comfortable viewing.

## LowBlue Mode

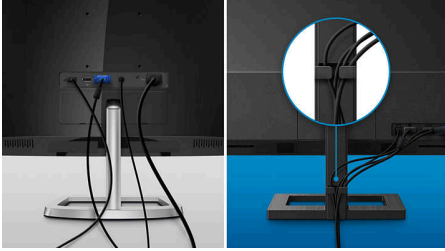


Studies have shown that just as ultra-violet rays can cause eye damage, shortwave length blue light rays from LED displays can cause eye damage and affect vision over time. Developed for wellbeing, Philips LowBlue Mode setting uses a smart software technology to reduce harmful shortwave blue light.



# Highlights

## Cable management



Cable management is an intimate design that maintains tidy workspace by organizing cables and wires required for the operation of a display device.

## EasySelect Menu Toggle Key



The discreetly placed EasySelect Menu Toggle Key allows you to make quick and easy adjustments to monitor settings in the On-Screen Display menu.

## 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.



# Specifications

## Picture/Display

**Panel Size:** 23.8 inch / 60.5 cm  
**Aspect ratio:** 16:9  
**LCD panel type:** IPS technology  
**Backlight type:** W-LED system  
**Pixel pitch:** 0.2745 x 0.2745 mm  
**Brightness:** 300 cd/m<sup>2</sup>  
**Display colors:** 16.7 M  
**Color gamut (typical):** NTSC 97.4%\*, sRGB 113.8%\*  
**Contrast ratio (typical):** 1000:1  
**SmartContrast:** Mega Infinity DCR  
**Response time (typical):** 4 ms (Grey to Grey)\*  
**Viewing angle:** 178° (H) / 178° (V), @ C/R &gt; 10  
**Picture enhancement:** SmartImage game  
**Maximum resolution:** 1920 x 1080 @ 75 Hz\*  
**Effective viewing area:** 527.04 (H) x 296.46 (V) mm  
**Scanning Frequency:** 30 - 85 kHz (H) / 48 - 75 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**

## Connectivity

**Signal Input:** VGA (Analog), DisplayPort x 1, HDMI (digital, HDCP)  
**Sync Input:** Separate Sync, Sync on Green  
**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 (75x75mm)

## Stand

**Tilt:** -5/20 degree

## Power

**Power supply:** External, 100-240VAC, 50-60Hz  
**Off mode:** 0.3 W  
**On mode:** 12.19 W (typ.) (EnergyStar test method)  
**Standby mode:** 0.5 W  
**Power LED indicator:** Operation - White, Standby mode- White (blinking)

## Dimensions

**Packaging in mm (WxHxD):** 595 x 449 x 153 mm  
**Product without stand (mm):** 540 x 312 x 36 mm  
**Product with stand(max height):** 540 x 428 x 187 mm

## Weight

**Product with packaging (kg):** 5.22 kg  
**Product with stand (kg):** 3.45 kg  
**Product without stand (kg):** 2.28 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:** EnergyStar 8.0, RoHS, Mercury Free  
**Recyclable packaging material:** 100 %

## Compliance and standards

**Regulatory Approvals:** CB, CE Mark, MEPS, RCM, FCC Class B, ICES-003

## Cabinet

**Color:** Black  
**Finish:** Textured



\* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.

\* The maximum resolution works for either HDMI input or DP input.

\* NTSC Area based on CIE1976

\* sRGB Area based on CIE1931

\* 2020 Advanced Micro Devices, Inc. All rights reserved. AMD, the AMD Arrow logo, AMD FreeSync™ and combinations thereof are trademarks of Advanced Micro Devices, Inc. Other product names used in this publication are for identification purposes only and may be trademarks of their respective companies.

\* The monitor may look different from feature images.