

# PHILIPS

## EVNIA

4K UHD gaming  
monitor

Gaming Monitor

Evnia 5000

27" (68.5 cm)

3840 x 2160 (4K UHD)

27M1F5800



## Feel your game

This Philips gaming monitor brings games to life with its 4K Nano IPS display and DisplayHDR 600. An impressive 144 Hz refresh rate, 1 ms response time and Sync technology guarantee smooth visuals.

### Features designed for you

- EasySelect menu toggle key for quick on-screen menu access
- MultiView enables simultaneous dual connection and view
- LowBlue mode and Flicker-free easy-on-the eyes viewing
- SmartErgoBase enables user-friendly ergonomic adjustments

### Meet the most recent update of HDMI specification

- AMD FreeSync™ Premium Pro; smooth, low latency HDR gaming
- Low input lag reduces time delay between devices to monitor
- 144 Hz refresh rates for ultra-smooth, brilliant images
- SmartImage HDR gives optimal viewing from your HDR content
- UltraClear 4K UHD (3840 x 2160) resolution for precision

### Immersive visuals

- IPS Nano colour technology extends gamut for vibrant visuals
- Ultra Wide-Color wider range of colours for a vivid picture

# Gaming Monitor

4K UHD gaming monitor

27M1F5800/01

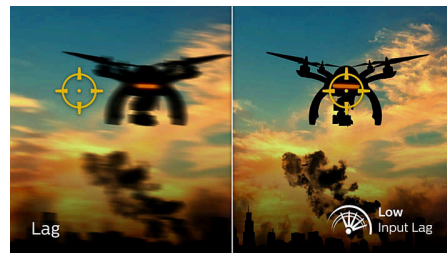
## Highlights

### AMD FreeSync™ Premium Pro



Gaming shouldn't be a choice between choppy gameplay or screen tearing. This display is certified with AMD FreeSync™ Premium Pro, which provides a variable refresh rate (VRR) and true HDR gaming experience. This provides a combination of smooth gaming at peak performance, and exceptional high dynamic range visuals while still maintaining low latency.

### Low Input Lag



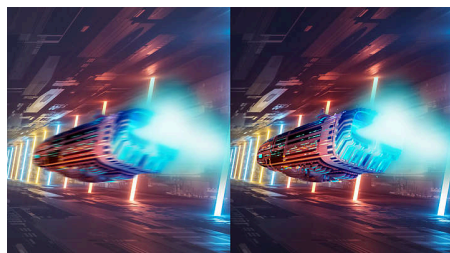
Input lag is the amount of time that elapses between performing an action with connected devices and seeing the result on screen. Low input lag reduces the time delay between entering a command from your devices to monitor, greatly improving play on twitch-sensitive video games, particularly important for playing fast-paced, competitive games.

### UltraClear 4K UHD resolution



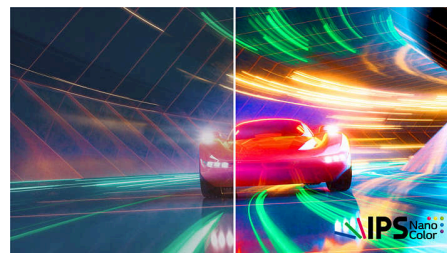
These Philips displays utilise high-performance panels to deliver UltraClear, 4K UHD (3840 x 2160) resolution images. Whether you are a demanding professional requiring extremely detailed images for CAD solutions, a user of 3D graphics applications or a financial wizard working on huge spreadsheets, Philips displays will make your images and graphics come alive.

### 144 Hz Gaming



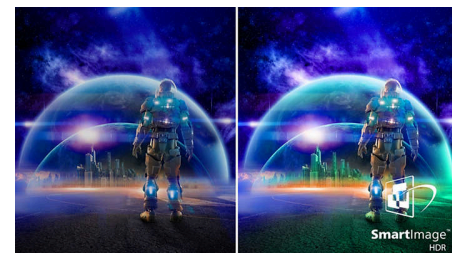
You play intense, competitive games. You demand a display with lag-free, ultra-smooth images. This Philips display redraws the screen image up to 144 times per second, effectively 2.4x faster than a standard display. A lower frame rate can make enemies appear to jump from spot to spot on the screen, making them difficult targets to hit. With 144 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.

### IPS Nano Color



For critical imaging, gaming and productivity needs, Nano IPS display provides precise colour accuracy across a wide viewing angle without colour shift. Richer reds, lush greens and deeper blues. Ultra Wide-Color with IPS Nano Color technology uses KSF enhanced phosphor nanoparticles to absorb excess light created by the screen to produce amazing colour. True-to-life colour. Our display panels achieve up to 98% coverage of the DCI-P3 colour gamut standard for colour purity as defined by The Society of Motion Pictures and Television Engineers for cinematic picture quality.

### SmartImage HDR



Select one of SmartImage HDR modes to best suit your needs. HDR Game: optimised for playing video games. With brighter white and darker black, the gaming scene is vivid and reveals more details, easily spot enemies hiding in the dark corners and shadows. HDR Movie: ideal for watching HDR movie. Delivers better contrast and brightness for a more realistic and immersive viewing experience. HDR Photo: enhanced red, green and blue for lively visuals. DisplayHDR: VESA DisplayHDR certified\*. Personal: customised settings in picture menu. \*Please refer to specification for HDR grade.



# Gaming Monitor

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## Highlights

### Ultra Wide-Color Technology



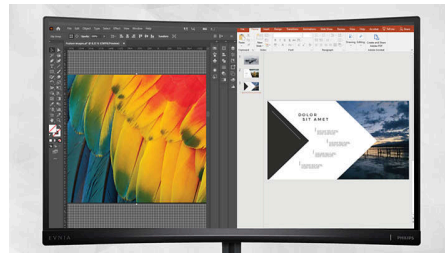
Ultra Wide-Color Technology delivers a wider spectrum of colours for a more brilliant picture. The Ultra Wide-Color wider "colour gamut" produces more natural-looking greens, vivid reds and deeper blues. Bring media entertainment, images and even productivity more alive with vivid colours from Ultra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

### 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.

### MultiView technology



With the ultra-high resolution Philips MultiView display, you can now experience a world of connectivity. MultiView enables active dual connect and view so that you can work with multiple devices like a PC and notebook simultaneously, for complex multitasking.

### SmartErgoBase



The SmartErgoBase is a monitor base that delivers ergonomic display comfort and provides cable management. The base can swivel, tilt and rotate to various angles to ensure maximum comfort. The height-adjustable stand guarantees the optimal viewing level, reducing the physical

strains of a long workday, while cable management reduces cable clutter and keeps the workspace neat and professional.

### 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.



# Specifications

## Picture/Display

**Panel Size:** 27 inch/68.5 cm  
**Aspect ratio:** 16:9  
**LCD panel type:** Nano IPS  
**Backlight type:** W-LED system  
**Pixel pitch:** 0.1554 x 0.1554 mm  
**Brightness:** 450 cd/m<sup>2</sup>  
**Display colours:** 1.07 Billion, 10 Bits (FRC)  
**Colour gamut (typical):** NTSC 84.8%\*, sRGB 100%\*, Adobe RGB 93.1%\*  
**Colour gamut (min.):** DCI-P3 98%\*  
**Contrast ratio (typical):** 1000:1  
**SmartContrast:** Mega Infinity DCR  
**Response time (typical):** 1 ms (Grey to Grey)\*  
**Viewing angle:** 178° (H)/178° (V), @ C/R > 10  
**Picture enhancement:** SmartImage game  
**Maximum resolution:** 3840 x 2160 @ 144 Hz\*  
**Effective viewing area:** 596.736 (H) x 335.664 (V)  
**Scanning Frequency:** 30–255 kHz (H) / 48–144 Hz (V)  
**sRGB**  
**Delta E:** < 2 (sRGB)  
**Flicker-free**  
**Pixel Density:** 163.18 PPI  
**LowBlue Mode**  
**Display Screen Coating:** Anti-Glare, 3H, Haze 25%  
**SmartUniformity:** 97 ~ 102%  
**Low Input Lag**  
**EasyRead**  
**AMD FreeSync™ technology:** Premium Pro  
**HDR:** DisplayHDR 600 certified

## Connectivity

**Signal Input:** HDMI 2.1 x 2, DisplayPort 1.4 x 2  
**Sync Input:** Separate Sync  
**Audio (In/Out):** Audio out  
**USB::** USB-B x 1 (upstream), USB 3.2 x 4 (downstream with 2 fast charge B.C 1.2)  
**HDCP:** HDCP 2.2 (HDMI/DisplayPort)

## Convenience

**Plug and Play Compatibility:** DDC/CI, Mac OS X, sRGB, Windows 10/8.1/8/7  
**User convenience:** Power On/Off, Menu/OK, Input/Up, Game Settings/Down, SmartImage game/Back  
**OSD Languages:** Brazil Portuguese, Czech, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, Simplified Chinese, Swedish, Turkish, Traditional Chinese, Ukrainian

**Other convenience:** Kensington lock, VESA mount (100 x 100 mm)  
**MultiView:** PBP (2 x devices)

## Stand

**Height adjustment:** 130 mm  
**Pivot:** -/+ 90 degree  
**Swivel:** -/+ 45 degree  
**Tilt:** -5/20 degree

## Power

**Power supply:** External, 100–240 VAC, 50–60 Hz  
**Off mode:** 0.3 W (typ.)  
**On mode:** 55.5 W (typ.)  
**Standby mode:** 0.5 W (typ.)  
**Power LED indicator:** Operation - White, Standby mode - White (flashing)  
**Energy Label Class:** G

## Dimensions

**Packaging in mm (W x H x D):** 780 x 521 x 224 mm  
**Product without stand (mm):** 609 x 353 x 46 mm  
**Product with stand (max height):** 609 x 552 x 235 mm

## Weight

**Product with packaging (kg):** 11.10 kg  
**Product with stand (kg):** 6.10 kg  
**Product without stand (kg):** 4.67 kg

## Operating conditions

**Altitude:** Operation: +12,000 ft (3658 m), Non-operation: +40,000 ft (12,192 m)  
**Temperature range (operation):** 0°C to 35 °C  
**MTBF:** 50 000 (Excluded backlight) hour(s)  
**Relative humidity:** 20%-80 %  
**Temperature range (storage):** -20°C to 60 °C

## Sustainability

**Environmental and energy:** RoHS  
**Recyclable packaging material:** 100 %  
**Specific Substances:** Mercury free, PVC/BFR free housing

## Compliance and standards

**Regulatory Approvals:** CB, CE Mark, FCC Class B, ICES-003, CU-EAC, EAEU RoHS, TUV/ISO9241-307, TUV-BAUART

## Cabinet

**Colour:** Black  
**Finish:** Textured

## What's in the box?

**Cables:** HDMI cable, DisplayPort cable, USB upstream cable, Power cable  
**Monitor with stand**  
**User Documentation**



\* "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.  
 \* 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  
 \* NTSC Area based on CIE 1976  
 \* sRGB Area based on CIE1931  
 \* Adobe RGB Coverage based on CIE 1976  
 \* 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.