



Philips Evnia Gaming
Monitor
4K UHD 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 144Hz refresh rate, 1ms 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 people-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
- 144Hz refresh rates for ultra-smooth, brilliant images
- SmartImage HDR gives optimal viewing from your HDR content
- UltraClear 4K UHD (3840x2160) resolution for precision

Immersive visuals

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

EVNIA

PHILIPS

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27M1F5800/69

Highlights

AMD FreeSync™ Premium Pro



Gaming shouldn't be a choice between choppy gameplay or broken frames. This display is certified with AMD FreeSync™ Premium Pro, which provides a variable refresh rate (VRR) and the 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.

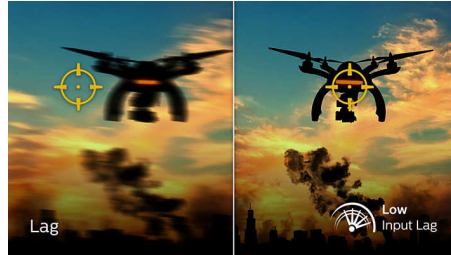
144Hz Gaming



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,

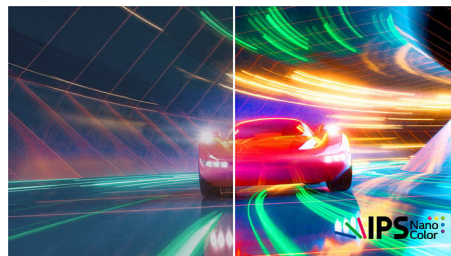
this Philips display is your perfect gaming partner

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 improve on playing twitch-sensitive video games, particularly important to whom plays fast-paced, competitive games.

IPS Nano color



For critical imaging, gaming and productivity needs, Nano IPS display provides precise color accuracy across a wide viewing angle without color 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 color. True-to-life color. Our display panels achieve up to 98% coverage of the DCI-P3 color gamut standard for color purity as

defined by The Society of Motion Pictures and Television Engineers for cinematic picture quality.

UltraClear 4K UHD resolution



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

SmartImage HDR



Select one of SmartImage HDR modes to best suit your needs. HDR Game: Optimize for playing video games. With brighter white and darker black, the gaming scene is vivid and revealing more details, easily spot enemies hiding in the dark corner and shadows. HDR Movie: Ideal for watching HDR movie. Deliver better contrast and brightness for more realistic and immerse viewing experience. HDR Photo: Enhance red, green, and blue for lively visuals. DisplayHDR: VESA DisplayHDR certified*. Personal: Customize settings in picture menu. *Please refer to specification for HDR grade.



Specifications

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)

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/m²
- Display colors: Color support 1.07 billion colors
- Color gamut (typical): NTSC 84.8%*, sRGB 100%*, Adobe RGB 93.1%*
- Color gamut (min.): DCI-P3 98%*
- Contrast ratio (typical): 1000:1
- SmartContrast: Mega Infinity DCR
- Response time (typical): 1 ms (Gray to Gray)*
- 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

Convenience

- Plug & 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 (100x100mm)
- MultiView: PBP (2x devices)

Stand

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

Power

- Power supply: External, 100-240VAC, 50-60Hz
- 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 (blinking)

Dimensions

- Packaging in mm (WxHxD): 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: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- 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, PSB

Cabinet

- Color: Black
- Finish: Textured

Issue date 2024-03-24

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Version: 9.0.1

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* "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 / sRGB Coverage based on CIE1931

* Adobe RGB Coverage based on CIE1976

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* The monitor may look different from feature images.