

# PHILIPS

Quad HD gaming  
monitor

Fast IPS Gaming  
monitor

Evnia 5000

27" (68.5 cm)

2560 x 1440 (QHD)

27M2N5500



## Your gaming experience to the utmost

This monitor is equipped for any game. With its 0.5ms Smart MBR, 180Hz refresh rate, and Quad HD resolution, it is made to bring gamers an all-around and visually pleasing gaming experience.

### Features designed for gamers needs

- LowBlue mode and Flicker-free easy-on-the eyes viewing
- New OSD features for much more engaging gaming experience
- Smart Crosshair: for better aim and more fun
- SmartErgoBase enables people-friendly ergonomic adjustments

### Built for fast action

- 180Hz refresh rates for ultra-smooth, brilliant images
- Effortlessly smooth gameplay with AMD FreeSync™ technology
- SmartImage game mode optimized for gamers
- 0.5 ms ultra-fast speed for crisp image and smooth gameplay
- Certified NVIDIA® G-SYNC® compatible for smooth fast gaming

### Immersive visuals

- Crystalclear images with Quad HD 2560 x 1440 pixels
- 1.07 billion colors for stunning color and finest gradations

### Immersive visuals

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27M2N5500/89

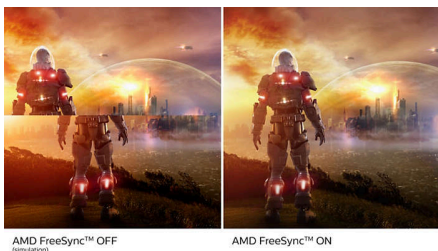
## Highlights

### 180Hz Gaming



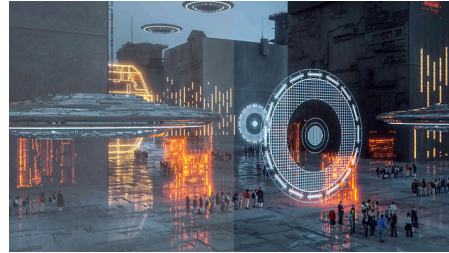
You play intense, competitive gaming. You demand display with lag free, ultra-smooth images. This display redraws the screen image up-to 180 times per second, effectively faster than a standard display. A lower frame rate can make enemies appear to jump from spot to spot on the screen, making them difficult targets to hit. With 180Hz 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.

### 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.

### SmartImage Game mode



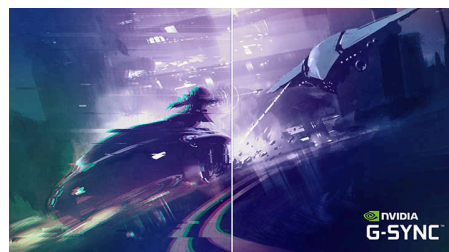
The new Philips gaming display has quick access OSD fine tuned for gamers, offering you multiple options. "FPS" mode (First person shooting) improves dark themes in games, allowing you to see hidden objects in dark areas. "Racing" mode adapts display with fastest response time, high color, along with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

### 0.5 ms Smart MBR fast response



Philips Evnia with 0.5 ms Smart MBR effectively eliminates smearing and motion blur, delivers sharper and precise visuals to enhance gaming experience. Fast-moving action and dramatic transitions will be rendered smoothly. Best choice for playing thrilling and twitch-sensitive games.

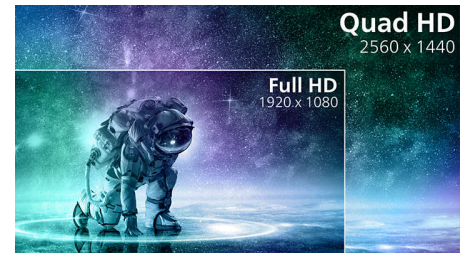
### NVIDIA® G-SYNC® compatible



When playing intense games with high refresh rates, screen tearing may appear without optimal graphics synchronization. This Philips

display is certified as NVIDIA® G-SYNC® compatible, reducing screen tearing and syncing your monitor's refresh rate with your graphic card's output for a smoother gaming experience. Scenes appear instantly, objects look sharper, and gameplay is smooth, giving you a stunning visual experience and a serious competitive edge.

### Crystalclear images



These Philips screens deliver Crystalclear, Quad HD 2560x1440 or 2560x1080 pixel images. Utilizing high performance panels with high density pixel count, enabled by high bandwidth sources like USB-C, Displayport, HDMI, these new displays will make your images and graphics come alive. Whether you are demanding professional requiring extremely detailed information for CAD-CAM solutions, using 3D graphic applications or a financial wizard working on huge spreadsheets, Philips displays will give you Crystalclear images.

### 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.



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## Highlights

### DisplayHDR 400



VESA-certified DisplayHDR 400 delivers a significant step-up from normal SDR displays. Unlike, other 'HDR compatible' screens, true DisplayHDR 400 produces astonishing brightness, contrast and colors. With global dimming and minimum 400 nits brightness, images come to life with notable highlights while featuring deeper, more nuanced blacks. It renders a fuller palette of rich new colors, delivering a visual experience that engages your senses.

### 1.07 billion colors



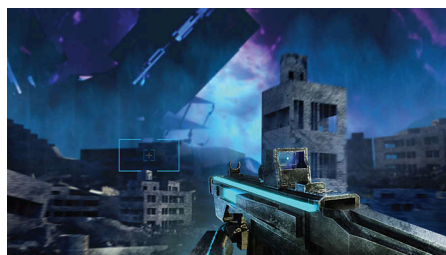
This display delivers outstanding color depth with 1.07 billion colors, and the finest gradation, for re-creating smooth, precise, and vivid image. Enjoy accurate and true-to-life visuals whether gaming, watching videos, or working on color critical work with graphics applications.

### SmartErgoBase



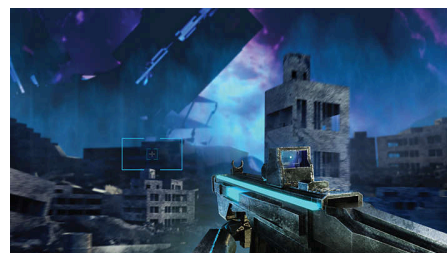
The SmartErgoBase is a monitor base that delivers ergonomic display comfort and provides cable management. The base can swivel, tilt and rotate to various angles to ensure maximum comfort. The height adjustable stand guarantees the optimal viewing level, reducing the physical strains of a long workday, while cable management reduces cable clutter and keeps the workspace neat and professional.

### Smart Crosshair



Color of Crosshair is set by default. When Smart Crosshair is on, the color will change as complementary color to the background color. Smart Crosshair enhances the accuracy of aiming so you can spot the enemies more easily.

### New features for better gaming



Philips Evnia is equipped with new features in OSD (on-screen display). Smart MBR Sync enables a great pair of MPRT together with Adaptive-sync, eliminating motion blur and ghosting while guaranteeing sharp and speedy gaming visuals with high frame rates. Smart ShadowBoost enhances dark scenes, allowing more details without overexposure. Smart Crosshair lets you never miss a single target.

### LowBlue mode & 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.





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## Specifications

### Picture/Display

**Panel Size:** 27 inch / 68.5 cm  
**Aspect ratio:** 16:9  
**LCD panel type:** IPS technology  
**Backlight type:** W-LED system  
**Pixel pitch:** 0.2331 x 0.2331 mm  
**Brightness:** 350nits; 450nits (HDR On); 500nits (HDR Peak) cd/m<sup>2</sup>  
**Brightness uniformity:** 93-105%  
**Display colors:** 1.07 Billion (8 bits + FRC)  
**Color gamut (typical):** DCI-P3:93.5%, sRGB: 125%, NTSC 108%, Adobe RGB 106%\*  
**Contrast ratio (typical):** 1200:1  
**SmartContrast:** 80M:1  
**Response time (typical):** 1 ms (Gray to Gray)\*  
**Viewing angle:** 178° (H) / 178° (V), @ C/R > 10  
**Picture enhancement:** SmartImage game  
**Maximum resolution:** 2560 x 1440 @ 180 Hz (DP), 2560 x 1440 @ 144 Hz (HDMI)  
**Effective viewing area:** 596.736 (H) x 335.664 (V)  
**Scanning Frequency:** HDMI: 30 - 230 kHz (H) / 48 - 144 Hz (V); DP: 30 - 280 kHz (H) / 48 - 180 Hz (V)  
**sRGB**  
**Delta E:** < 2 (sRGB)  
**Flicker-free**  
**Pixel Density:** 108.79 PPI  
**LowBlue Mode**  
**Display Screen Coating:** Anti-Glare, 3H, Haze 25%  
**Low Input Lag:** Yes\*  
**EasyRead**  
**AMD FreeSync™ technology**  
**G-SYNC**  
**HDR:** DisplayHDR 400 certified  
**Smart MBR:** 0.5ms\*

### Connectivity

**Signal Input:** HDMI 2.0 x 2, DisplayPort 1.4 x 1  
**Sync Input:** Separate Sync  
**Audio (In/Out):** Headphone out  
**HDCP:** HDCP 1.4 (HDMI / DP), HDCP 2.2 (HDMI / DP)

### Convenience

**Plug & Play Compatibility:** DDC/CI, Mac OS X, sRGB, Windows 11 / 10  
**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), LowBlue Mode

### Stand

**Height adjustment:** 130 mm  
**Pivot:** -/+ 90 degree  
**Swivel:** -/+ 30 degree  
**Tilt:** -5/20 degree

### Power

**Power supply:** Internal  
**Off mode:** 0.3 W (typ.)  
**On mode:** 29.8 W (typ.)  
**Standby mode:** 0.5 W (typ.)  
**Power LED indicator:** Operation - White, Standby mode- White (blinking)

### Dimensions

**Packaging in mm (WxHxD):** 730 x 478 x 188 mm  
**Product without stand (mm):** 614 x 368 x 60 mm  
**Product with stand(max height):** 614 x 519 x 261 mm

### Weight

**Product with packaging (kg):** 9.32 kg  
**Product with stand (kg):** 5.68 kg  
**Product without stand (kg):** 3.86 kg

### Operating conditions

**Altitude:** Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)  
**Temperature range (operation):** 0°C to 40 °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  
**Post consumer recycled plastics:** 85%\*

### Compliance and standards

**Regulatory Approvals:** CB, CCC, CECP, CEL, CE Mark, TUV-BAUART, EAC, MEPS, PSB, BSMI, EMF, FCC, ICES-003, TUV/ISO9241-307, UKCA

### Cabinet

**Color:** Dark Slate  
**Finish:** Textured

- \* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.
- \* The maximum resolution works for DP input only.
- \* 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
- \* Smart MBR is to adjust brightness for blur reduction, so cannot adjust brightness while Smart MBR is turned on. To reduce motion blur, LED backlight will strobe synchronously with screen refresh, which may cause noticeable brightness change.
- \* Smart MBR is gaming-optimized mode. Turn on Smart MBR may cause noticeable screen flickering. It is recommended to turn off when you are not using the gaming function.
- \* 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
- \* NVIDIA® G-SYNC® support interface: DisplayPort
- \* Make sure to update NVIDIA® G-SYNC® driver to the latest version, see more information on NVIDIA website: <https://www.nvidia.com/>
- \* Make sure your graphic card supports NVIDIA® G-SYNC®
- \* This monitor strives for sustainability: the stand's feet are made with 35% recycled plastic and the monitor's chassis is made up of 85% post-consumer recycled plastic.
- \* Please note that the low input lag feature is permanently enabled and cannot be switched off.
- \* DCI-P3 Coverage based on CIE1976, sRGB Area based on CIE1931, NTSC Area and Adobe RGB Area based on CIE1976
- \* The products and accessories listed on this leaflet may differ by country and region.
- \* The monitor may look different from feature images.

