

# PHILIPS

## EVNIA



QD OLED gaming  
monitor

Gaming Monitor

Evnia 8000

26.5" (67.3cm)

2560 x 1440 (Quad HD)



27M2N8500

## Gaming beyond innovation

This monitor is built for gaming at high speeds. Its 360Hz refresh rates, QD OLED panel, and DisplayHDR TrueBlack 400 certification make it a combination of incredible speed and premium picture quality.

### Features designed for gamers needs

- Protects and cools QD-OLED displays to reduce burn-in
- AI-enhanced Ambiglow: for intensified entertainment
- Evnia Precision Center: Maximize Your Gaming Experience
- Dynamic Lighting: Synchronize lighting on all devices.
- SmartImage game mode optimized for gamers
- Tilt, swivel and height-adjust for an ideal viewing position
- LowBlue mode and Flicker-free easy-on-the eyes viewing
- Smart Crosshair: for better aim and more fun

### Built for fast action

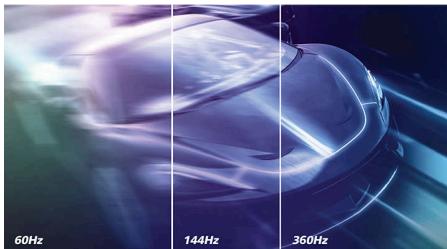
- AMD FreeSync™ Premium Pro; smooth, low latency HDR gaming
- 360Hz refresh rate: For ultra-fast and ultra-clear gaming
- Certified NVIDIA® G-SYNC® compatible for smooth fast gaming

### Immersive visuals

- Crystalclear images with Quad HD 2560 x 1440 pixels

# Highlights

## 360Hz refresh rate



Be prepared to game up to 360Hz with an accompanying picture definition that will leave a WOW factor. Reach goals and hit targets faster and, not to mention, with show-stopping clarity: Games will appear clean and crisp while you speed through levels and race through scenes.

## Cooling shield



Burn-in is a real concern for users of QD-OLED screens. To increase the lifespan of your display, this monitor has an integrated graphene shield which keeps your display cool. The graphene evenly disperses heat generated by the blue-light emitted from your screen and cools more effectively than graphite. For gamers, this means you can play at the brightness level you prefer with a reduced risk for burn-in, and a display which stays pixel-perfect for longer.

## Crystalclear images



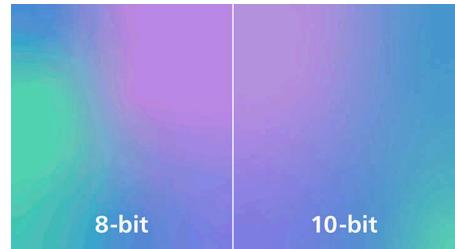
These Philips screens deliver Crystalclear, Quad HD 2560x1440 or 2560x1080 pixel images. Utilizing high performance panels with high density pixel count, enabled by high bandwidth sources, these new displays will make your images and graphics come alive. Whether you are demanding professional requiring 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.

## DisplayHDR™ True Black 400



This Philips monitor is certified with VESA DisplayHDR™ True Black 400. Delivering stunningly accurate shadow detail with deeper blacks for a remarkable visual experience compared with conventional monitors of the same peak luminance. This Philips monitor comes with several HDR modes, each optimized for your usage scenarios: HDR Game, HDR Movie, HDR Photo, and VESA DisplayHDR certified level.

## True 10-bit color depth



With this Philips true 10-bit color display, you can see color critical professional work of exceptional color accuracy and meeting professional standards. Compared with conventional 8-bit color display, this Philips monitor produces a more natural transition between hues for smoother gradients.

## QD OLED technology



QD-OLED represents a hybrid approach that marries the OLED panels and quantum dot technology. By combining what's best of both, QD-OLED guarantees high contrast, deep blacks, and unlimited viewing angles, with the higher peak brightness and more vibrant colors.

## 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.



Cooling shield



Quad HD



LowBlue Mode



# Highlights

## AI-enhanced Ambiglow



Our AI-enhanced processor analyzes the incoming image content and continuously adapts the color and brightness of the emitted light to match the image. This feature adds a new dimension to your viewing experience. The innovative Ambiglow uses its AI capabilities to create a truly immersive and customizable gaming experience. From filling your gaming room with color to feeling like you are part of the game, the AI-enhanced Ambiglow is made to make your gaming experience the best it's ever been by combining intelligence, color, and light.

## 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.

## Compact Ergo Base



The Compact Ergo Base is a people-friendly Philips monitor base that tilts, swivels and height-adjusts so each user can position the monitor for maximum viewing comfort and efficiency.

## 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.

## Dynamic Lighting



This feature is a Microsoft certification program that enables users with Windows 11 to synchronize and manage the RGB lighting of all their monitors and peripherals from one menu. By doing this, the Dynamic Lighting feature creates a complete RGB lighting ecosystem with Philips Evnia Ambiglow across all devices that ultimately caters to a customizable user experience.

# Gaming Monitor

QD OLED gaming monitor

27M2N8500/27

## Highlights

### AMD FreeSync™ Premium Pro



Gaming shouldn't be a choice between choppy gameplay or broken frames. AMD FreeSync™ Premium Pro provides the true HDR gaming experience: a combination of smooth gaming at peak performance, and exceptional high dynamic range visuals while still maintaining low latency.

### 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.

### Evnia Precision Center



Evnia Precision Center is an easy-to-use software designed to optimize and personalize your Evnia monitor. Whether you're a casual or competitive gamer, it offers a wide range of customization options to match your unique gaming style. With intuitive controls and seamless navigation, Evnia Precision Center gives you full control, providing everything you need to elevate your gaming to the next level—right at your fingertips.

# Specifications

## Picture/Display

**Panel Size:** 26.5 inch / 67.3 cm

**Aspect ratio:** 16:9

**Monitor Panel Type:** QD OLED

**Pixel pitch:** 0.2292x0.2292mm

**Brightness:** SDR: 250 (APL 100%) nit, HDR: 450 (APL 10%) nit, HDR E/P: 1000 (APL 3%) nit

**Display colors:** Color support 1.07 billion colors (10 bits)

**Color gamut (typical):** DCI-P3:98.5%, sRGB: 147.5%, NTSC 120%, Adobe RGB 118%\*

**Contrast ratio (typical):** 1,500,000:1

**SmartContrast:** Mega Infinity DCR

**Response time (typical):** 0.03 ms (Gray to Gray)\*

**Viewing angle:** 178° (H) / 178° (V), @ C/R > 10000

**Picture enhancement:** SmartImage game

**Maximum resolution:** HDMI/DP : 2560 x 1440 @ 360 Hz

**Effective viewing area:** 590.42(H)x333.72(V)mm

**Scanning Frequency:** 30 - 510K kHz (H) / 48 - 360 Hz (V)

**sRGB**

**Delta E:** <2 (sRGB)

**Flicker-free**

**Pixel Density:** 110.84 PPI

**LowBlue Mode**

**Display Screen Coating:** Anti-reflection, 2H

**Low Input Lag**

**EasyRead**

**AMD FreeSync™ technology:** Premium Pro G-SYNC

**HDR:** DisplayHDR True Black 400 certified

**Ambiglow:** 3-sided

**Pixel format:** RGB Q-Stripe\*

**Clear MR Tier:** 13000

**Smart Sniper**

**Stark Shadow Boost**

**Windows Dynamic Lighting**

**Smart Crosshair**

**Shadow Boost**

## Connectivity

**Signal Input:** HDMI 2.1 x 2, DisplayPort 1.4 x 1, USB-B x 1

**Sync Input:** Separate Sync

**Audio (In/Out):** Headphone out

**HDCP:** HDCP 1.4 (HDMI / DisplayPort ), HDCP 2.2 (HDMI / DisplayPort )

**USB Hub:** USB-B upstream x1, USB-A downstream x2 (downstream with x1 fast charge B.C 1.2), USB 3.2 Gen 1 / 5 Gbps

## Convenience

**Built-in Speakers:** 5 W x 2

**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), VESA bracket, LowBlue Mode

**MultiView:** PIP/PBP mode, 2x devices

**Low blue light:** Low blue light compliance\*

## Stand

**Height adjustment:** 130 mm

**Swivel:** -/+ 30 degree

**Tilt:** -5/20 degree

## Power

**Power supply:** Internal, 100-240VAC, 50-60Hz

**Off mode:** 0.3 W (typ.)

**On mode:** 83.70 W (typ.)

**Standby mode:** 0.5 W (typ.)

**Power LED indicator:** Operation - White, Standby mode- White (blinking)

**Energy Label Class:** G

## Dimensions

**Packaging in mm (WxHxD):** 780 x 455 x 141 mm

**Product without stand (mm):** 609.3 x 357.7 x 61 mm

**Product with stand(max height):** 609.3 x 513.7 x 274.5 mm

## Weight

**Product with packaging (kg):** 11.01 kg

**Product with stand (kg):** 7.35 kg

**Product without stand (kg):** 6.00 kg

## Operating conditions

**Altitude:** Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)

**Temperature range (operation):** 0°C to 40 °C

**MTBF:** 30,000 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:** 35%\*

## Compliance and standards

**Regulatory Approvals:** CB, CE Mark, ETL, CEC, TUV/ISO9241-307, TUV-BAUART, EAC, EAEU RoHS, CEL, CCC, UKCA, EMF, FCC, ICES-003

## Cabinet

**Color:** White

**Finish:** Textured

\* Response time value equal to SmartResponse. The measurement pattern is 1 horizontal line.

\* DCI-P3 Coverage based on CIE1976, sRGB Area based on CIE1931, NTSC Area and Adobe RGB Area based on CIE1976

\* Active pixels: 2560(H) x 1440(V). Number of total pixels: 2576(H) x 1456(V); extra pixels on each side, space reserved for pixel orbiting.

\* 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.

\* The ratio of display emission light in the range from 415 - 455 nm to the display emission of 400 - 500 nm shall be less than 50%.

\* This monitor strives for sustainability: the base is made with 35% recycled plastic.

\* The monitor may look different from feature images.

\* The products and accessories listed on this leaflet may differ by country and region.

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\* 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®

