

# PHILIPS

# EVNIA



QD OLED gaming  
monitor

Gaming Monitor

Evnia 8000

49 (48.9" / 124.3 cm diag.)

5120 x 1440 (Dual QHD)



49M2C8900

## Gaming beyond innovation

Elevate your gaming experience with this monitor's incredible contrast-producing QD OLED display, 32:9 Curved SuperWide screen, and exclusive Ambiglow feature so you can set the mood of the room for each game.

### 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.
- DTS Sound™ with 30W output: for enhanced audio

### Built for fast action

- AMD FreeSync™ Premium Pro; smooth, low latency HDR gaming
- Ultra-fast 240 Hz refresh rate for virtually lag-free gaming
- Certified NVIDIA® G-SYNC® compatible for smooth fast gaming
- SmartImage game mode optimized for gamers
- VESA Certified ClearMR: for accurate blur testing

### Immersive visuals

- Curved display design for more immersive experience
- DisplayHDR™ TrueBlack 400 delivers incredible shadow details

# Gaming Monitor

QD OLED gaming monitor

49M2C8900/75

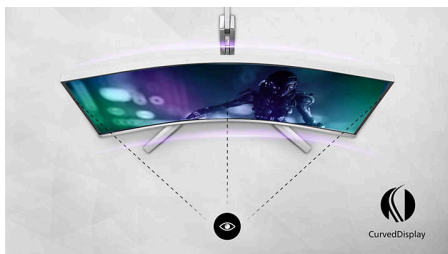
## Highlights

### QD OLED technology



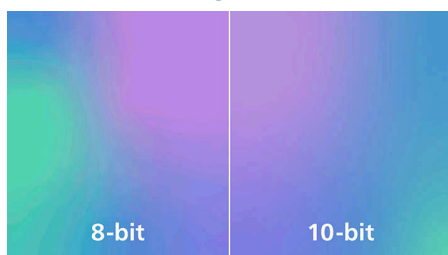
QD-OLED represents a hybrid approach that marries the OLED panels and quantum dot technology. By combining what's best of both, QD-OLED guarantees high contrast, deep blacks, and unlimited viewing angles, with the higher peak brightness and more vibrant colors.

### Curved display design



Desktop monitors offer a personal user experience, which suits a curve design very well. The curved screen provides a pleasant yet subtle immersion effect, which focuses on you at the center of your desk.

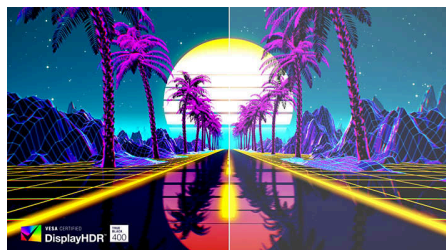
### True 10-bit color depth



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.

### 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.

### Ultra-fast 240 Hz refresh rate



While playing the most intense engaging action-oriented games, ultra-fast 240 Hz refresh rate enhances an ultra-smooth, lag-free gaming experience. This Philips display redraws the screen image up-to 240 times per second, effectively faster than a standard display. Especially for fast-paced games like FPS and racing games, 240 Hz gives a superior motion and clarity visuals. With Philips 240 Hz display,

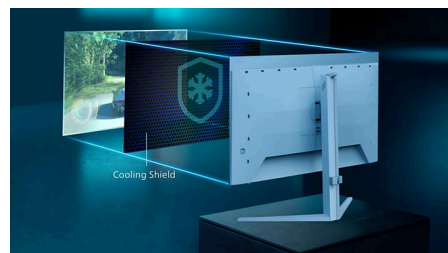
action sequences in gameplay look judder-free and ghost-free. You will experience deeper immersion and feeling alive in game.

### 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.

### Cooling shield



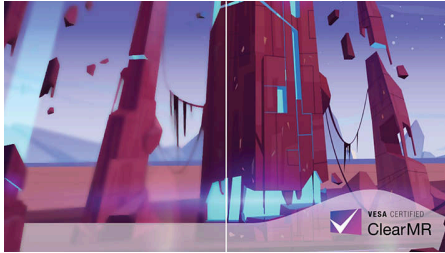
Burn-in is a real concern for users of QD-OLED screens. To increase the lifespan of your display, this monitor has an integrated graphene shield which keeps your display cool. The graphene evenly disperses heat generated by the blue-light emitted from your screen and cools more effectively than graphite. 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.

QD OLED



## Highlights

### VESA ClearMR 13000



Previously, methods to test blur on screen were measured through MRPT. VESA Certified ClearMR acts as an alternative to MRPT and is designed to reflect the true nature of blur through digital high-speed camera testing. For monitors that are sent in and certified through VESA Certified ClearMR, you can rest assured that you will have an accurate assessment of the monitor's blur quality. Each certification is defined through a CMR range; with this monitor being ClearMR 13000 classified, it has one of the highest classifications of image quality, meaning less overall blur.

### DTS Sound™ with 30W output



Your elevated sound experience has arrived. This monitor is equipped with four 7.5 watt speakers, ultimately adding up to a 30W output sound system. In addition to the extra wattage, the DTS Sound speakers provide a warm, detailed, and enhanced audio experience that will ultimately make your gaming experience more immersive.

### AI-enhanced Ambiglow



Our AI-enhanced processor analyzes the incoming image content and continuously adapts the color and brightness of the emitted

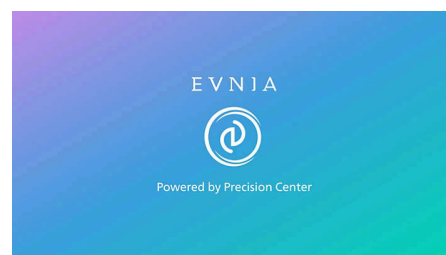
light to match the image. This feature adds a new dimension to your viewing experience. The innovative Ambiglow uses its AI capabilities to create a truly immersive and customizable gaming experience. From filling your gaming room with color to feeling like you are part of the game, the AI-enhanced Ambiglow 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.

### Evnia Precision Center



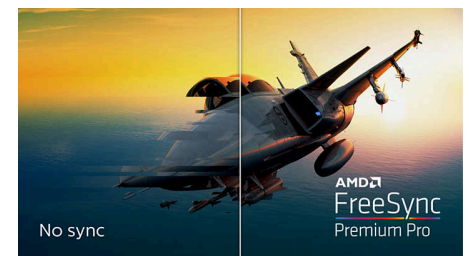
Evnia Precision Center is an easy-to-use software designed to optimize and personalize your Evnia monitor. Whether you're a casual or competitive gamer, it offers a wide range of customization options to match your unique gaming style. With intuitive controls and seamless navigation, Evnia Precision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

### Dynamic Lighting



This feature is a Microsoft certification program that enables with users 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.

### 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.





# Specifications

## Picture/Display

**Panel Size:** 48.9 inch / 124.3 cm

**Aspect ratio:** 32:9

**Monitor Panel Type:** QD OLED

**Pixel pitch:** 0.233 x 0.233 mm

**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 bit)

**Color gamut (typical):** NTSC 127.4%\*, sRGB 153.1%\*, Adobe RGB 125.2%\*

**Color gamut (min.):** DCI-P3: 99%\*

**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 > 10

**Picture enhancement:** SmartImage game

**Maximum resolution:** 5120 x 1440 @ 240 Hz

**Effective viewing area:** 1196.7 (H) x 339.2 (V) - at a 1800R curvature\*

**Scanning Frequency:** 30 - 388 kHz (H) / 48 - 240 Hz (V)

**sRGB**

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

**Flicker-free**

**Pixel Density:** 108.77 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\*

**Windows Dynamic Lighting**

## Connectivity

**Signal Input:** HDMI 2.1 x 2, DisplayPort DP 2.1 x 1, USB-C x 1 (DP Alt mode, Power Delivery)

**Sync Input:** Separate Sync

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

**HDCP:** HDCP 1.4 (HDMI / DisplayPort / USB-C),

HDCP 2.2 (HDMI / DisplayPort / USB-C), HDCP 2.3 (HDMI / DisplayPort / USB-C)

**USB Hub:** USB version 3.2 Gen1 / 5Gbps, USB-B upstream x 1, USB-A downstream x 4 (with 2 for fast charge B.C 1.2)

## Power Delivery

**Max power delivery:** Up to 90W (5V/3A, 7V/3A, 9V/3A, 10V/3A, 12V/3A, 15V/3A, 20V/4.5A)

**Version:** USB PD version 3.0

## Convenience

**Built-in Speakers:** 7.5 W x 4, DTS

**Plug & Play Compatibility:** DDC/CI, Mac OS X, sRGB, Windows 11 / 10 / 8.1 / 8

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

**KVM**

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

## Sound

**Output Power:** 30 W, 2.2 Channel

**Sound Enhancement:** DTS Sound

**Speaker Configuration:** 7.5 W x 2 tweeters, 7.5 W x 2 woofers with flow port

## Stand

**Height adjustment:** 120 mm

**Swivel:** +/- 20 degree

**Tilt:** -5/15 degree

## Power

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

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

**On mode:** 163.35 W (typ.)

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

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

## Dimensions

**Packaging in mm (WxHxD):** 1290 x 300 x 475 mm

**Product without stand (mm):** 1195 x 369 x 181 mm

**Product with stand(max height):** 1195 x 544 x 359 mm

## Weight

**Product with packaging (kg):** 19.41 kg

**Product with stand (kg):** 13.96 kg

**Product without stand (kg):** 10.82 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

## Compliance and standards

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

## Cabinet

**Color:** White

**Finish:** Textured

\* Radius of the arc of the display curvature in mm

\* Active pixels: 5120(H) x 1440 (V). Number of total pixels: 5136(H) x 1456 (V); extra 8 pixels on each side, space reserved for pixel orbiting.

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

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\* Make sure to update NVIDIA® G-SYNC® driver to the latest version, see more information on NVIDIA website: <https://www.nvidia.com/>

\* G-Sync compatible only supports VRR (Variable Refresh Rate) from 50Hz - 240Hz.

\* Make sure your graphic card supports NVIDIA® G-SYNC®

\* NVIDIA® G-SYNC® support interface: DisplayPort

\* NTSC Area based on CIE1976

\* sRGB Area based on CIE1931

\* Adobe RGB Area based on CIE1976

\* DCI-P3 Coverage based on CIE1976

\* 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%.

\* 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.

\* For USB-C power and charging function, your Notebook/device must support USB-C standard Power Delivery specifications. Please check with your Notebook user manual or manufacturer for more details.

\* For Video transmission via USB-C, your Notebook/device must support USB-C DP Alt mode

\* The monitor may look different from feature images.

