

# PHILIPS



QD OLED gaming  
monitor

Gaming Monitor

Evnia 8000

49 (48.9" / 124.3 cm diag.)

5120 x 1440 (Dual QHD)



49M2C8900L

## Gaming beyond innovation

Experience luxurious gaming with this monitor's colorful QD OLED display, incredible DisplayHDR™ TrueBlack 400 certification, and booming DTS Sound™ speakers. This monitor is likely to give you a gaming escapade that's hard to forget.

### Features designed for gamers needs

- Evnia Precision Center: Maximize Your Gaming Experience
- AI-enhanced Ambiglow: for intensified entertainment
- 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
- Low input lag reduces time delay between devices to monitor
- SmartImage game mode optimized for gamers
- VESA ClearMR 8000: for trusted, high-quality imagery

### Immersive visuals

- 32:9 SuperWide screen designed to replace multiscreen setups
- DisplayHDR™ TrueBlack 400 delivers incredible shadow details
- True 10-bit display reproduces smoother gradients on visuals

**The gaming advantage is yours**

# Gaming Monitor

QD OLED gaming monitor

49M2C8900L/75

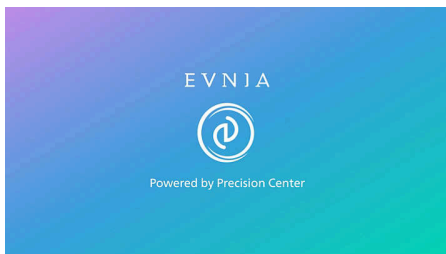
## Highlights

### QD OLED technology



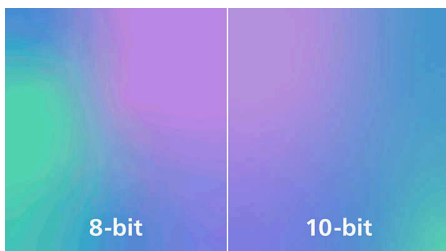
QD-OLED represents a hybrid approach that marries the OLED panels and quantum dot technology. By combining what's best of both, QD-OLED guarantees high contrast, deep blacks, and unlimited viewing angles, with the higher peak brightness and more vibrant colors.

### 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.

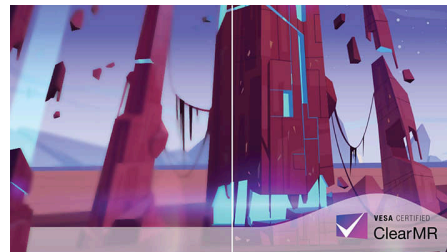
### True 10-bit color depth



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.

### VESA ClearMR 8000



Previously, methods to test blurry imagery were measured through MRPT. VESA Certified ClearMR acts as an alternative to MRPT and blur is tested with a digital high-speed camera. 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 the highest tier being VESA ClearMR 8000. With this monitor being ClearMR 8000 classified, it has one of the highest classifications of image quality, meaning less overall blur.

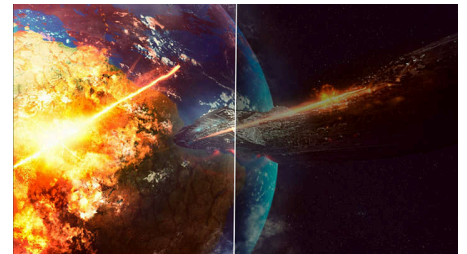
### AI-enhanced Ambiglow



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.

### Stark ShadowBoost



This feature enhances dark scenes without overexposing lightened areas. The Stark Shadowboost feature has three selectable levels that offer texturized images with better color saturation with higher contrast so you can see better in both light and dark environments. In addition, this feature helps you fine-tune your sight so that enemies get exposed more quickly when gaming.

### 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.



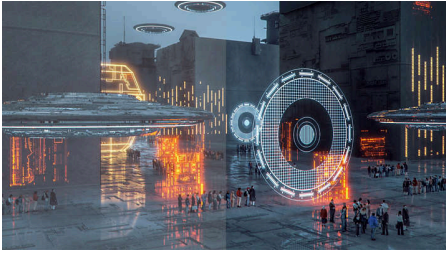
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## Highlights

### 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.

### 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):** 1,000,000:1  
**SmartContrast:** Mega Infinity DCR  
**Response time (typical):** 0.03 ms (Gray to Gray)\*  
**Viewing angle:** @ C/R > 10, 178° (H) / 178° (V)  
**Picture enhancement:** SmartImage game  
**Maximum resolution:** 5120 x 1440 @ 144 Hz (DP) 5120 x 1440 @ 60 Hz (HDMI)  
**Effective viewing area:** 1196.7 (H) x 339.2 (V) - at a 1800R curvature\*  
**Scanning Frequency:** kHz (H) / 48 - 144 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**  
**AMD FreeSync™ technology:** Premium Pro G-SYNC  
**HDR:** DisplayHDR True Black 400 certified  
**Ambiglow:** 3-sided  
**Pixel format:** RGB Q-Stripe\*  
**Stark ShadowBoost**  
**Clear MR Tier:** 8000  
**Windows Dynamic Lighting**

## Connectivity

**Signal Input:** HDMI 2.0 x 2, DisplayPort 1.4 x 1, USB-C x 1 (DP Alt mode, Power Delivery)  
**Sync Input:** Separate Sync  
**Audio (In/Out):** Audio out  
**HDCP:** HDCP 2.3 (HDMI / DisplayPort / USB-C), HDCP 2.2 (HDMI / DisplayPort / USB-C), HDCP 1.4 (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)

## Power Delivery

**Max power delivery:** USB-C up to 90 W (5V/3A, 7V/3A, 9V/3A, 10V/3A, 12V/3A, 20V/3.25A, 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), VESA bracket  
**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:** 156.50 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, TUV/ISO9241-307, TUV-BAUART, EAC

## Cabinet

**Color:** White  
**Finish:** Textured

- \* 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.
- \* DCI-P3 Coverage based on CIE1976
- \* NTSC Area based on CIE1976
- \* sRGB Area based on CIE1931
- \* Adobe RGB Area based on CIE1976
- \* 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.
- \* 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.
- \* Radius of the arc of the display curvature in mm
- \* G-Sync compatible only supports VRR (Variable Refresh Rate) from 50Hz - 240Hz.
- \* 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%.
- \* 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®
- \* NVIDIA® G-SYNC® support interface: DisplayPort
- \* 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.
- \* The products and accessories listed on this leaflet may differ by country and region.
- \* This monitor strives for sustainability: the stand's feet are made with 35% recycled plastic.

