

# PHILIPS

## EVNIA



4K UHD gaming  
monitor

Gaming Monitor

Evnia 6000

32 (31.5"/80 cm diag.)

3840 x 2160 (4K UHD)



32M2N6800M

## Your gaming experience to the utmost

This monitor transforms your gaming experience with showstopping visuals. With its DisplayHDR 1000 certification and 144 Hz refresh rate, imagery is crisp and vibrant and is designed for any type of gameplay.

### Features designed for gamers' needs

- Stark ShadowBoost: for enhancing visibility in dark scenes
- AI-enhanced Ambiglow: for intensified entertainment
- Evnia Precision Centre: Maximise Your Gaming Experience
- Dynamic Lighting: Synchronise lighting on all devices.
- SmartImage game mode optimised for gamers
- LowBlue mode and Flicker-free easy-on-the eyes viewing
- Smart Crosshair: for better aim and more fun
- SmartErgoBase enables user-friendly ergonomic adjustments

### Built for fast action

- 144 Hz refresh rates for ultra-smooth, brilliant images
- Low input lag reduces time delay between devices to monitor

### Immersive visuals

- DisplayHDR 1000 for truly vivid details and realism
- Mini LED with local dimming 1152 zones

# Gaming Monitor

4K UHD gaming monitor

32M2N6800M/01

## Highlights

### IPS technology



IPS displays use an advanced technology that gives you extra-wide viewing angles of 178/178 degrees, making it possible to view the display from almost any angle. Unlike standard TN panels, IPS displays give you remarkably crisp images with vivid colours, making them ideal not only for Photos, movies and web browsing, but also for professional applications that demand colour accuracy and consistent brightness at all times.

### VESA DisplayHDR 1000



VESA-certified DisplayHDR 1000 delivers a dramatically different visual experience vs. other 'HDR compatible' screens. Extreme deep blacks and bright whites contrast with brilliant colours to bring out details that you've never experienced before. Gamers can spot enemies hiding in the dark corners and shadows easily and movie viewers can enjoy a more compelling and lifelike show. This Philips Momentum comes with several HDR modes, each optimised for your usage scenarios: HDR Game, HDR Movie and HDR Photo.

### UltraClear 4K UHD resolution



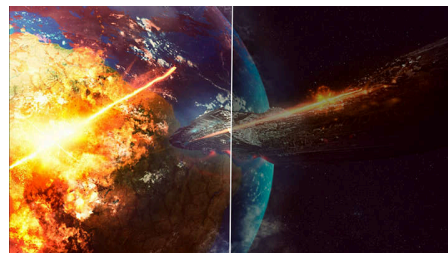
These Philips displays utilise high-performance panels to deliver UltraClear, 4K UHD (3840 x 2160) resolution images. Whether you are a demanding professional requiring extremely detailed images for CAD solutions, a user of 3D graphics applications or a financial wizard working on huge spreadsheets,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

### Mini LED backlight



Mini LED backlighting improves control of lighting and contrast ratio. The small size of the mini LEDs forming the backlight allows for the creation of 1152 individually controlled zones delivering deeper blacks and brighter whites. Rich HDR content can now be viewed as it was intended with unmatched contrast and precise reproduction.

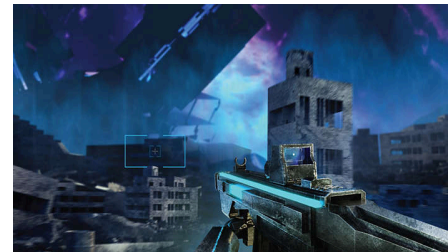
### Stark ShadowBoost



This feature enhances dark scenes without overexposing lightened areas. The Stark ShadowBoost feature has three selectable levels that offer texturised images with better colour saturation and 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.

### Smart Crosshair



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

### LowBlue mode and 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.

### 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.

VESA CERTIFIED  
DisplayHDR 1000

**4K**  
Ultra HD



**144Hz**

**Flicker-free**

**LowBlue Mode**

# Gaming Monitor

4K UHD gaming monitor

32M2N6800M/01

## Highlights

### Dynamic Lighting



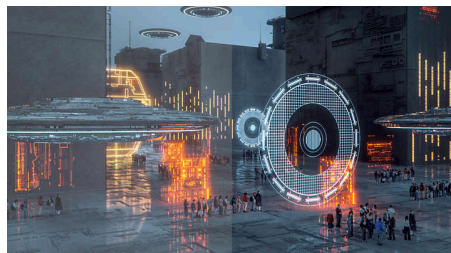
This feature is a Microsoft certification program that enables users with Windows 11 to synchronise and manage the RGB lighting of all of their monitors and peripherals from one menu. By doing this, the Dynamic Lighting feature creates a complete RGB lighting ecosystem with Philips Evnia Ambiglow across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

### AI-enhanced Ambiglow



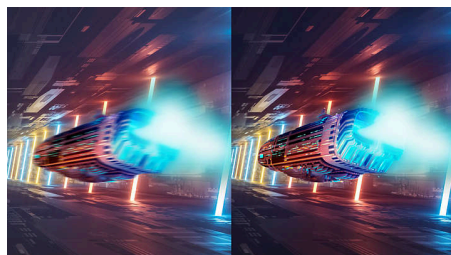
Our AI-enhanced processor analyses the incoming image content and continuously adapts the colour and brightness of the emitted light to match the image. This feature adds a new dimension to your viewing experience. The innovative Ambiglow uses its AI capabilities to create a truly immersive and customisable gaming experience. From filling your gaming room with colour 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, colour 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 the display with the fastest response time and high colour, along with image adjustments. "RTS" mode (Real-time strategy) has a special SmartFrame mode that enables highlighting of specific area and allows for size and image adjustments. Gamer 1 and Gamer 2 enable you to save personal customised settings based on different games, ensuring best performance.

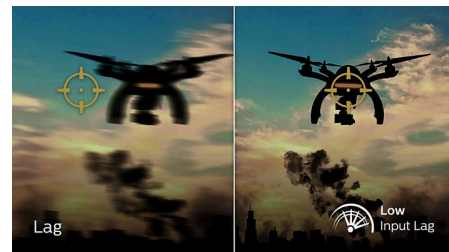
### 144 Hz Gaming



You play intense, competitive games. You demand a 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 144 Hz frame rate, you get those critical missing images on the screen, showing enemy movement in ultra-

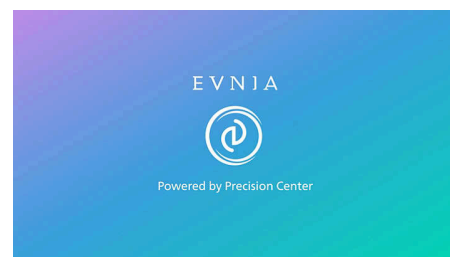
smooth motion so you can easily target them. With ultra-low input lag and no screen tearing, this Philips display is your perfect gaming partner

### 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 improving play on twitch-sensitive video games, particularly important for playing fast-paced, competitive games.

### Evnia Precision Centre



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



**4K**  
Ultra HD



**144Hz**



# Specifications

## Picture/Display

**Panel Size:** 31.5 inch/80 cm

**Aspect ratio:** 16:9

**LCD panel type:** IPS technology

**Backlight type:** Mini LED with local dimming  
1152 zones

**Pixel pitch:** 0.1818 x 0.1818 mm

**Brightness uniformity:** Peak: 1250 nits (HDR on),  
Normal: 700 nits

**Display colours:** 1.07 Billion (8 bits + FRC)

**Colour gamut (typical):** DCI-P 3:99.5%, NTSC  
129%\*, sRGB 166%\*

**Contrast ratio (typical):** 1000:1

**SmartContrast:** Mega Infinity DCR

**Response time (typical):** 1 ms (Grey to Grey)\*

**Viewing angle:** 178° (H)/178° (V), @ C/R > 10

**Picture enhancement:** SmartImage game

**Maximum resolution:** HDMI: 3840 x

2160 @ 144 Hz; DP: 3840 x 2160 @ 144 Hz

**Effective viewing area:** 698.112 (H) x 392.688 (V)

**Scanning Frequency:** 30 kHz–255 kHz (H)/48–  
144 Hz (V)

**sRGB**

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

**Flicker-free**

**Pixel Density:** 140 PPI

**LowBlue Mode**

**Display Screen Coating:** Anti-Glare, 3H, Haze  
25%

**SmartUniformity:** 93 ~ 105%

**Low Input Lag**

**EasyRead**

**Adaptive sync**

**HDR:** HDR 1000

**Smart Crosshair**

**Stark ShadowBoost**

**Windows Dynamic Lighting**

## Connectivity

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

**Sync Input:** Separate Sync

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

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

**USB Hub:** USB-B upstream x 1, USB-A  
downstream x 3 (1 for fast charge)

## Convenience

**Plug and 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 (100 x 100 mm)

## Stand

**Height adjustment:** 130 mm

**Swivel:** -/+ 30 degree

**Tilt:** -5/20 degree

## Power

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

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

**On mode:** 50.86 W (typ.)

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

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

**Energy Label Class:** G

## Dimensions

**Packaging in mm (W x H x D):**

930 x 526 x 226 mm

**Product without stand (mm):** 715 x 426 x 72 mm

**Product with stand (max height):**

715 x 612 x 311 mm

## Weight

**Product with packaging (kg):** 12.17 kg

**Product with stand (kg):** 9.3 kg

**Product without stand (kg):** 7.4 kg

## Operating conditions

**Altitude:** Operation: +12,000 ft (3658 m), Non-  
operation: +40,000 ft (12,192 m)

**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 %

**Post-consumer recycled plastics:** 85%\*

## Compliance and standards

**Regulatory Approvals:** CB, CE Mark, FCC Class B,  
ICES-003, TUV/ISO9241-307, TUV-BAUART, CCC,  
CECP, CEL

## Cabinet

**Colour:** Dark Slate

**Finish:** Textured

## What's in the box?

**Cables:** HDMI cable, DisplayPort cable, USB-C to  
USB-C cable, Power cable\*

**Monitor with stand**

**User Documentation**



\* "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  
\* NTSC Area based on CIE 1976  
\* sRGB Area based on CIE1931  
\* The monitor may look different from feature images.  
\* 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 and the monitor's chassis is made up of 85% post-consumer recycled plastic.