

# PHILIPS



Quad HD gaming  
monitor

Curved Fast VA  
Gaming monitor

Evnia 5000

27" (68.5 cm)

2560 x 1440 (Quad HD)



27M2C5501

## Your gaming experience to the utmost

This curved Fast VA monitor allows you to game with ultimate precision and speed at 180 Hz. With sharp HDR-quality imagery, a curved frame and Quad HD resolution guaranteed, this monitor produces an excellent all-around gaming experience.

### Features designed for gamers' needs

- ShadowBoost: for bringing dark scenes to life.
- AI-enhanced Ambiglow: for intensified entertainment
- SmartImage game mode optimised for gamers
- LowBlue mode and Flicker-free easy-on-the eyes viewing
- Smart Crosshair: for better aim and more fun

### Built for fast action

- 180 Hz refresh rates for ultra-smooth, brilliant images
- Fast VA Panel: For sharp imagery at high frame rates
- 0.5 ms ultra-fast speed for crisp images and smooth gameplay
- Low input lag reduces time delay between devices to monitor

### Immersive visuals

- High Dynamic Range (HDR) for more lifelike colourful visuals
- SmartContrast for rich black details
- Crystal clear images with Quad HD 2560 x 1440 pixels

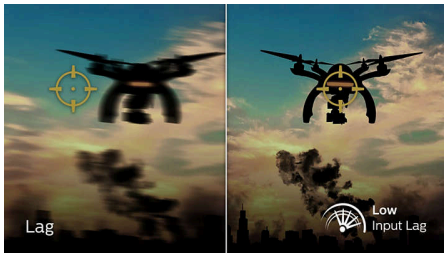
## Highlights

### 180 Hz 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 a 180 Hz frame rate, you get those critical missing images on the screen which show enemy movement in ultra-smooth motion so you can easily target enemies. 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.

### 0.5 ms Smart MBR fast response



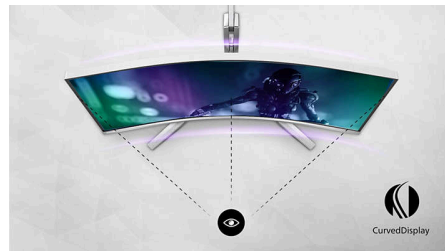
The Philips Evnia with 0.5 ms Smart MBR effectively eliminates smearing and motion blur, and delivers sharper and more precise visuals to enhance your gaming experience. Fast-moving action and dramatic transitions will be rendered smoothly. It's the best choice for playing thrilling and twitch-sensitive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

### Fast VA



This feature is made for action-packed gameplay. Not only does it produce virtually blur-free gaming, but it also pairs well with high frame rates for the best and sharpest imagery, guaranteed.

### Curved display design



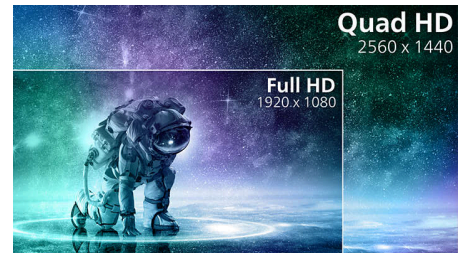
Desktop monitors offer a personal user experience, which suits a curved design very well. The curved screen provides a pleasant yet subtle immersion effect, which focuses on you at the centre of your desk.

### High Dynamic Range (HDR)



High Dynamic Range delivers a dramatically different visual experience. With astonishing brightness, incomparable contrast and captivating colour, images come to life with much greater brightness while also featuring much deeper, more nuanced darks. It renders a fuller palette of rich new colours never before seen on a display, giving you a visual experience that engages your senses and inspires emotions.

### CrystalClear images



These Philips screens deliver CrystalClear, Quad HD 2560 x 1440 or 2560 x 1080 pixel images. Utilising high performance panels with a high-density pixel count enabled by high bandwidth sources, these new displays will make your images and graphics come alive. Whether you are a 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.



## Highlights

### SmartContrast



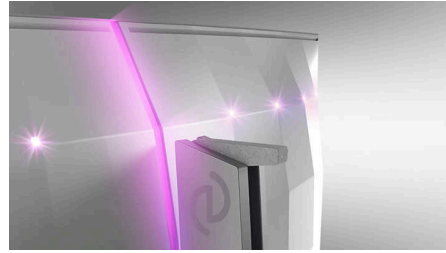
SmartContrast is a Philips technology that analyses the contents you are displaying, automatically adjusting colours and controlling backlight intensity to dynamically enhance contrast for the best digital images and videos or when playing games where dark hues are displayed. When Economy mode is selected, contrast is adjusted and backlighting fine-tuned for just-right display of everyday office applications and lower power consumption.

### LowBlue mode and Flicker-free



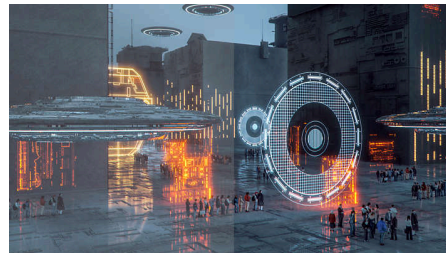
Our LowBlue Mode and Flicker-free technology have been developed to reduce eye strain and fatigue often caused by long hours in front of a monitor.

### 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.

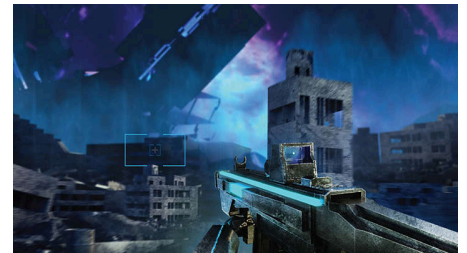
### SmartImage Game mode



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.

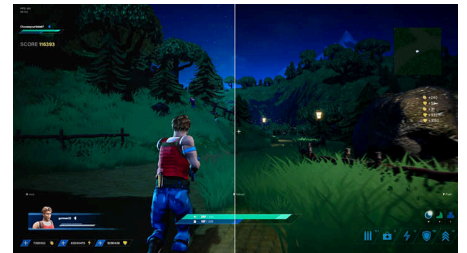
"RTS" mode (Real-time strategy) has a special SmartFrame mode that enables highlighting of specific area and allows for size and image adjustments. Gamer 1 and Gamer 2 enable you to save personal customised settings based on different games, ensuring best performance.

### 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.

### ShadowBoost



This feature enhances dark scenes in a linear fashion. The ShadowBoost feature has three selectable levels that enhance overall brightness and ultimately provide beautiful picture quality with high contrast.



# Curved Fast VA Gaming monitor

Quad HD gaming monitor

27M2C5501/01

## Specifications

### Picture/Display

**Panel Size:** 27 inch/68.5 cm  
**Aspect ratio:** 16:9  
**LCD panel type:** VA 1500R (curvature)  
**Backlight type:** W-LED system  
**Pixel pitch:** 0.2331 x 0.2331 mm  
**Brightness:** 300 cd/m<sup>2</sup>  
**Display colours:** 16.7 M  
**Colour gamut (typical):** Adobe RGB 89%; DCI-P3:93%, sRGB: 124%, NTSC 110%.\*  
**Contrast ratio (typical):** 5000:1  
**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: 2560 x 1440 @ 144 Hz, DP: 2560 x 1440 @ 180 Hz  
**Effective viewing area:** 596.736 (H) x 335.664 (V) mm at a 1500 R curvature\*  
**Scanning Frequency:** HDMI: 30–230 kHz (H)/48–144 Hz (V), DP: 30–270 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, 25%, 3H  
**SmartUniformity:** 93 ~ 105%  
**Low Input Lag**  
**EasyRead**  
**Adaptive sync**  
**HDR:** HDR 10 supported  
**Smart Crosshair**  
**Shadow Boost**  
**Smart MBR:** 0.5 ms\*

### Connectivity

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

### Convenience

**Plug and Play Compatibility:** DDC/CI, Mac OS, 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), LowBlue Mode  
**Ambiglow:** Ambiglow 3-sided

### 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:** 24.7 W (typ.)  
**Standby mode:** 0.5 W (typ.)  
**Power LED indicator:** Operation - White, Standby mode - White (flashing)

### Dimensions

**Packaging in mm (W x H x D):** 785 x 480 x 188 mm  
**Product without stand (mm):** 611 x 369 x 90 mm  
**Product with stand (max height):** 611 x 528 x 247 mm

### Weight

**Product with packaging (kg):** 9.16 kg  
**Product with stand (kg):** 6.06 kg  
**Product without stand (kg):** 4.22 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:** 35%\*

### Compliance and standards

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

### Cabinet

**Colour:** White  
**Finish:** Textured

### What's in the box?

**Cables:** HDMI cable, DisplayPort cable, Power cable  
**Monitor with stand**  
**User Documentation**



\* Radius of the arc of the display curvature in mm  
\* 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.  
\* Adobe RGB and DCI-P3 Coverage based on CIE1976, sRGB Area based on CIE1931, NTSC Area based on CIE1976.  
\* The maximum resolution works for DP input only.  
\* Response time value equal to SmartResponse  
\* Smart MBR adjusts brightness for blur reduction, so you cannot adjust brightness while MPRT is turned on. To reduce motion blur, the LED backlight will strobe synchronously with each screen refresh, which may cause a noticeable change in brightness.  
\* Smart MBR is a gaming-optimised mode. Turning on MPRT may cause noticeable screen flickering. We recommended turning it off when you are not using the gaming function.  
\* This monitor strives for sustainability: the base cover and headphone holder are made with 35% recycled plastic.  
\* The products and accessories listed on this leaflet may differ by country and region.  
\* The monitor may look different from feature images.