

# PHILIPS

## EVNIA

Quad HD gaming  
monitor

Gaming Monitor

Evnia 5000

27" (68.5 cm)

2560 x 1440 (QHD)

27M1N5500ZA



## Feel your game

This Philips gaming monitor delivers crystal-clear visuals and smooth gameplay. FreeSync, rapid 170Hz refresh rate with HDR create a polished and lifelike experience. The slim-frame display with Ultra Wide-Color enhances visual immersion.

### Features designed for you

- EasySelect menu toggle key for quick on-screen menu access
- Built-in stereo speakers for multimedia
- LowBlue mode and Flicker-free easy-on-the eyes viewing
- SmartErgoBase enables user-friendly ergonomic adjustments

### Immersive visuals

- IPS Nano colour technology extends gamut for vibrant visuals
- Crystal clear images with Quad HD 2560 x 1440 pixels
- Ultra Wide-Color wider range of colours for a vivid picture
- SmartImage HDR gives optimal viewing from your HDR content

### The gaming advantage is yours

- 170 Hz refresh rates for ultra-smooth, brilliant images
- 1 ms (MPRT) fast response for crisp images and smooth gameplay
- AMD FreeSync™ Premium; tear free, stutter free, fluid gaming
- Low input lag reduces time delay between devices to monitor

# Gaming Monitor

Quad HD gaming monitor

27M1N5500ZA/01

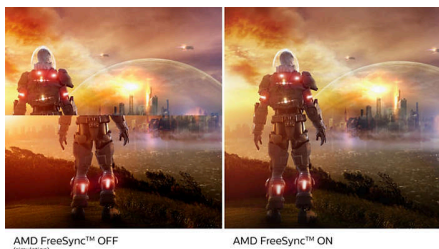
## Highlights

### IPS Nano Color



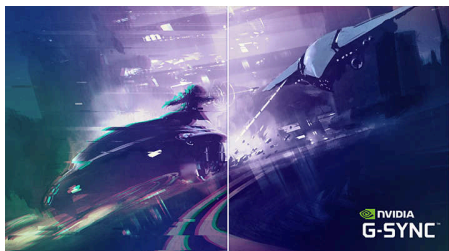
For critical imaging, gaming and productivity needs, Nano IPS display provides precise colour accuracy across a wide viewing angle without colour shift. Richer reds, lusher greens and deeper blues. Ultra Wide-Color with IPS Nano Color technology uses KSF enhanced phosphor nanoparticles to absorb excess light created by the screen to produce amazing colour. True-to-life colour. Our display panels achieve up to 98% coverage of the DCI-P3 colour gamut standard for colour purity as defined by The Society of Motion Pictures and Television Engineers for cinematic picture quality.

### AMD FreeSync™ Premium



Gaming shouldn't be a choice between choppy gameplay or broken frames. AMD FreeSync™ Premium equips serious gamers with a fluid, tear-free gameplay experience at peak performance. There are no compromises, game confidently with a high refresh rate, low framerate compensation and low latency.

### NVIDIA® G-SYNC® compatible



When playing intense games with high refresh rates, screen tearing may appear without optimal graphics synchronisation. This Philips

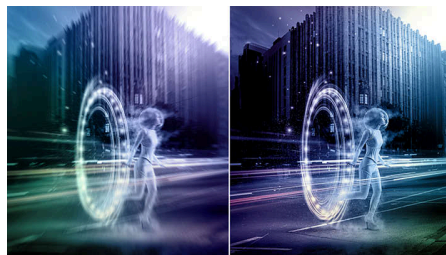
display is certified as NVIDIA® G-SYNC® compatible, reducing screen tearing and syncing your monitor's refresh rate with your graphic card's output for a smoother gaming experience. Scenes appear instantly, objects look sharper, and gameplay is smooth, giving you a stunning visual experience and a serious competitive edge.

### 170 Hz Gaming



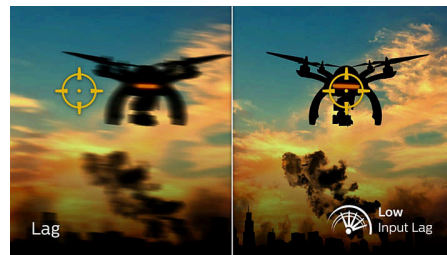
You play intense, competitive games. You demand a display with lag-free, ultra-smooth images. This Philips display redraws the screen image up to 170 times per second, effectively faster than a standard display. A lower frame rate can make enemies appear to jump from spot to spot on the screen, making them difficult targets to hit. With a 170 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

### 1 ms MPRT fast response



MPRT (motion picture response time) is a more intuitive way to describe response time, which directly refers to the duration between seeing blurry noise and clean, crisp images. The Philips gaming monitor with 1 ms MPRT effectively eliminates smearing and motion blur and delivers sharper and more precise visuals to enhance your gaming experience. The best choice for playing thrilling and twitch-sensitive games.

### 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.

### 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.



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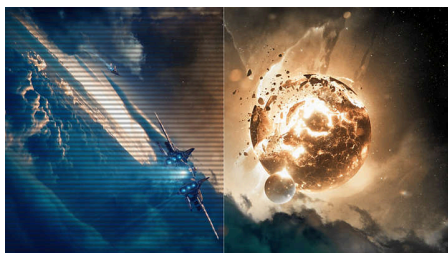
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### SmartImage HDR



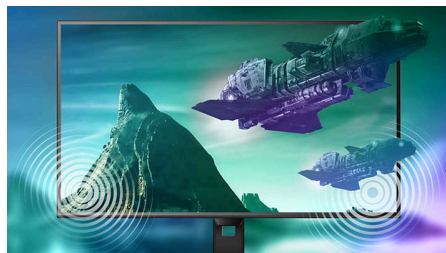
Select one of SmartImage HDR modes to best suit your needs. HDR Game: optimised for playing video games. With brighter white and darker black, the gaming scene is vivid and reveals more details, easily spot enemies hiding in the dark corners and shadows. HDR Movie: ideal for watching HDR movie. Delivers better contrast and brightness for a more realistic and immersive viewing experience. HDR Photo: enhanced red, green and blue for lively visuals. DisplayHDR: VESA DisplayHDR certified\*. Personal: customised settings in picture menu. \*Please refer to specification for HDR grade.

### 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.

### Built-in stereo speakers



A pair of high-quality stereo speakers built into a display device. They may be visible front firing, or invisible down firing, top firing, rear firing etc. depending on model and design.

### 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.

### EasySelect Menu Toggle Key



The discreetly placed EasySelect Menu Toggle Key allows you to make quick and easy adjustments to monitor settings in the On-Screen Display menu.

### Ultra Wide-Color Technology



Ultra Wide-Color Technology delivers a wider spectrum of colours for a more brilliant picture. The Ultra Wide-Color wider "colour gamut" produces more natural-looking greens, vivid reds and deeper blues. Bring media entertainment, images and even productivity more alive with vivid colours from Ultra Wide-Color Technology.





## Specifications

### Picture/Display

**Panel Size:** 27 inch/68.5 cm

**Aspect ratio:** 16:9

**LCD panel type:** Nano IPS

**Backlight type:** W-LED system

**Pixel pitch:** 0.2331 x 0.2331 mm

**Brightness:** 350 cd/m<sup>2</sup>

**Display colours:** Colour support 1.07 Billion colours

**Colour gamut (typical):** NTSC 113%\*, sRGB 133%\*, Adobe RGB 93%\*

**Colour gamut (min.):** DCI-P3 98%\*

**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:** 2560 x 1440 @ 170 Hz\*

(DP -> overclock); 2560 x 1440 @ 144 Hz (HDMI)

**Effective viewing area:** 596.736 (H) x 335.664 (V)

**Scanning Frequency:** HDMI: 30 - 230 kHz (H) / 48 - 144 Hz (V); DP: 30 - 255 kHz (H) / 48 - 170 Hz (V) sRGB

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

**Flicker-free**

**Pixel Density:** 108.79 PPI

**LowBlue Mode**

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

**SmartUniformity:** 97 ~ 102%

**MPRT:** 1 ms

**Low Input Lag**

**EasyRead**

**AMD FreeSync™ technology:** Premium

**G-SYNC:** Compatible\*

**HDR:** HDR Ready

### Connectivity

**Signal Input:** HDMI 2.0 x 2, DisplayPort 1.4 x 2

**Sync Input:** Separate Sync

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

**USB:** USB-B x 1 (upstream), USB 3.2 x 4 (downstream with 2 fast charge B.C 1.2)

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

### Convenience

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

**Plug and Play Compatibility:** DDC/CI, Mac OS X, sRGB, Windows 10/8.1/8/7

**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

**Pivot:** -/+ 90 degree

**Swivel:** -/+ 45 degree

**Tilt:** -5/20 degree

### Power

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

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

**On mode:** 31.8 W (typ.)

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

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

**Energy Label Class:** F

### Dimensions

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

780 x 521 x 224 mm

**Product without stand (mm):** 614 x 363 x 43 mm

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

614 x 549 x 212 mm

### Weight

**Product with packaging (kg):** 9.74 kg

**Product with stand (kg):** 4.80 kg

**Product without stand (kg):** 3.40 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 %

**Specific Substances:** Mercury free, PVC/BFR free housing

### Compliance and standards

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

### Cabinet

**Colour:** Black

**Finish:** Textured

### What's in the box?

**Cables:** HDMI cable, DisplayPort cable, USB upstream 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

\* MPRT adjusts the brightness for blur reduction, so the brightness cannot be adjusted while MPRT is turned on. To reduce motion blur, the LED backlight will strobe in time with the screen refresh rate, which may cause a noticeable change in brightness.

\* MPRT is a gaming-optimised mode. Turning on MPRT may cause noticeable screen flickering. It is recommended to turn this mode off when you are not using the gaming function.

\* Display colours: 10 bits only can be reached by QHD @ 120 Hz

\* DCI-P3 Coverage based on CIE1976

\* NTSC Area based on CIE 1976

\* sRGB Area based on CIE1931

\* Adobe RGB Coverage based on CIE 1976

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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 that your graphic card supports NVIDIA® G-SYNC®

\* The monitor may look different from feature images.