PHILIPS

EVNIA

Full HD gaming monitor

Gaming Monitor

Evnia 5000

27" (68.5 cm)

1920 x 1080 (Full HD)

27M1N5200PA

Feel your game

This Philips gaming monitor is designed for the highest intensity gameplay. FreeSync, an ultra-fast 240 Hz refresh rate and 0.5 ms response time create tear-free and low latency gameplay. SmartImage HDR gives a vibrant, lifelike display.

The gaming advantage is yours
- AMD FreeSync™ Premium; tear free, stutter free, fluid gaming
- Certified NVIDIA® G-SYNC® compatible for smooth, fast gaming
- Ultra-fast 240 Hz refresh rate for virtually lag-free gaming
- 0.5 ms ultra-fast speed for crisp images and smooth gameplay
- Low input lag reduces time delay between devices to monitor

Immersive visuals
- IPS LED wide view technology for image and colour accuracy
- 16:9 Full HD display for crisp, detailed images
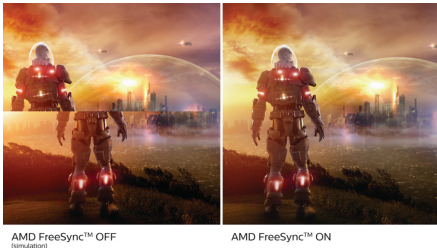- SmartImage HDR gives optimal viewing from your HDR content

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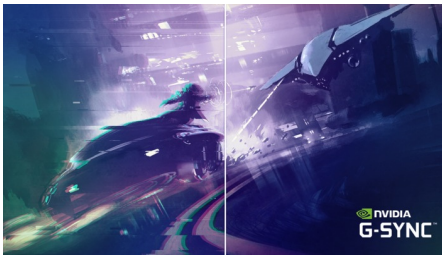- EasySelect menu toggle key for quick on-screen menu access

Highlights

AMD FreeSync™ Premium

AMD FreeSync™ OFF
(simulation)

AMD FreeSync™ ON

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.

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 Momentum display, action sequences in gameplay look judder-free and ghost-free. You will experience deeper immersion and feel more alive in game.

0.5 ms MPRT fast response

The Philips Momentum display with 0.5 ms MPRT 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. 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.

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.

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.

Specifications

Picture/Display

LCD panel type: IPS technology
Backlight type: W-LED system
Panel Size: 27 inch / 68.5 cm
Display Screen Coating: Anti-Glare, 3H, Haze 25%
Effective viewing area: 596.736 (H) x 335.664 (V)
Aspect ratio: 16:9
Maximum resolution: 1920 x 1080 @ 240 Hz*
Pixel Density: 81.59 PPI
Response time (typical): 1 ms (Grey to Grey)*
MPRT: 0.5 ms
Low Input Lag
Brightness: 400 cd/m²
SmartContrast: Mega Infinity DCR
Contrast ratio (typical): 1000:1
Pixel pitch: 0.3108 x 0.3108 mm
Viewing angle: 178º (H)/178º (V), @ C/R > 10
Flicker-free
HDR: HDR Ready
Colour gamut (typical): NTSC 95%*, sRGB 110.2%*, Adobe RGB 87.1%*
Picture enhancement: SmartImage game
Display colours: 16.7 M
Scanning Frequency: 30–255 kHz (H) / 48–240 Hz (V)
SmartUniformity: 97 ~ 102%
Delta E: < 2 (sRGB)
LowBlue Mode
EasyRead
sRGB
AMD FreeSync™ technology: Premium
G-SYNC: Compatible*

Connectivity

Signal Input: HDMI 2.0 x 2, DisplayPort 1.4 x 1
HDCP: HDCP 2.2 (HDMI/DisplayPort)
USB:: USB-B x 1 (upstream), USB 3.2 x 4 (downstream with 2 fast charge B.C 1.2)
Audio (In/Out): Audio out
Sync Input: Separate Sync

Convenience

Built-in Speakers: 5 W x 2
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)
Plug and Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 10 / 8.1 / 8 / 7

Stand

Height adjustment: 130 mm
Pivot: -/+ 90 degree
Swivel: -/+ 45 degree
Tilt: -5/20 degree

Power

On mode: 20.5 W (typ.)
Standby mode: 0.5 W (typ.)
Off mode: 0.3 W (typ.)
Energy Label Class: E
Power LED indicator: Operation - White, Standby mode - White (flashing)
Power supply: External, 100–240 VAC, 50–60 Hz

Dimensions

Product with stand (max height): 614 x 549 x 212 mm
Product without stand (mm): 614 x 363 x 43 mm
Packaging in mm (W x H x D): 780 x 521 x 224 mm

Weight

Product with stand (kg): 4.92 kg
Product without stand (kg): 3.52 kg
Product with packaging (kg): 9.86 kg

Operating conditions

Temperature range (operation): 0°C to 40 °C
Temperature range (storage): -20°C to 60 °C
Relative humidity: 20%-80 %
Altitude: Operation: +12,000 ft (3658 m), Non-operation: +40,000 ft (12,192 m)
MTBF: 50 000 (Excluded backlight) hour(s)

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?

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

* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.
* The maximum resolution works for either HDMI input or DP input.
* 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.
* 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.