PHILIPS

EVNIA

4K UHD gaming monitor

Gaming Monitor

Evnia 5000

32 (31.5"/80 cm diag.)

3840 x 2160 (4K UHD)

32M1N5800A

Feel your game

This Philips gaming monitor brings games to life with its 4K IPS display and DisplayHDR 400. Rapid 144 Hz refresh rate, 1 ms response time and Sync technology guarantee smooth visuals.

Features designed for you
- MultiView enables simultaneous dual connection and view
- 1 ms (MPRT) fast response for crisp images and smooth gameplay
- SIAA-certified antibacterial treatment to keep surfaces sanitary

Best synchronisation between GPU and monitor
- AMD FreeSync™ Premium; tear free, stutter free, fluid gaming
- Certified NVIDIA® G-SYNC® compatible for smooth, fast gaming

Meet the most recent update of HDMI specification
- Low input lag reduces time delay between devices to monitor
- 144 Hz refresh rates for ultra-smooth, brilliant images
- SmartImage HDR gives optimal viewing from your HDR content
- UltraClear 4K UHD (3840 x 2160) resolution for precision

Immersive visuals
- IPS LED wide view technology for image and colour accuracy
- Ultra Wide-Color wider range of colours for a vivid picture
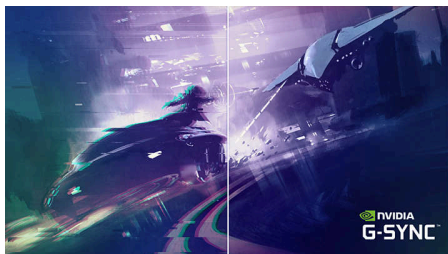
Highlights

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.

UltraClear 4K UHD resolution

HD
1920x1080
pixels

4K Ultra HD
3840x2160
pixels

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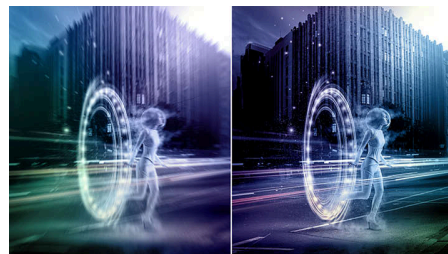
demanding professional requiring extremely detailed images for CAD solutions, a user of 3D graphics applications or a financial wizard working on huge spreadsheets, Philips displays will make your images and graphics come alive.
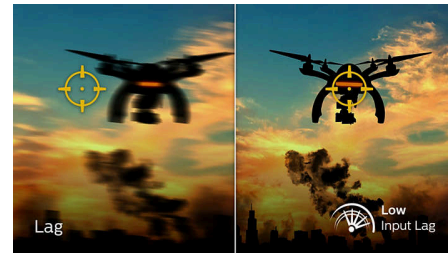
144 Hz Gaming

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

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

Lag

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.

SmartImage HDR

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.

AMD FreeSync Premium

NVIDIA G-SYNC

144Hz

Fast Response 1ms MPRT

Low Input Lag

SIAA ISO 22196 Anti Bacteria
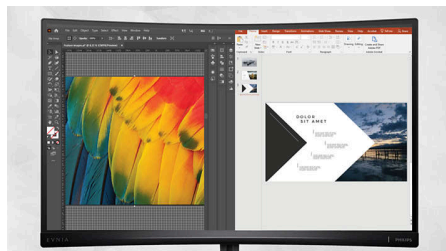
Ultra Wide Color

Flicker-free

Highlights

Antibacterial-treated surface

Bacteria are often transferred by touching infected surfaces. Philips introduces antibacterial agents with ionic silver treatment on monitor surfaces to inhibit bacterial growth and reduce bacterial adhesion on parts that are constantly touched, in order to keep the surface clean and reduce the spread of bacteria.

MultiView technology

With the ultra-high resolution Philips MultiView display, you can now experience a world of connectivity. MultiView enables active dual connect and view so that you can work with multiple devices like a PC and notebook simultaneously, for complex multitasking.

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.

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.

Gaming Monitor

4K UHD gaming monitor

32M1N5800A/01

Specifications

Picture/Display

Panel Size: 31.5 inch/80 cm
Aspect ratio: 16:9
LCD panel type: IPS technology
Backlight type: W-LED system
Pixel pitch: 0.181 x 0.181 mm
Brightness: 500 cd/m²
Display colours: Colour support 1.07 billion colours
Colour gamut (typical): NTSC 113%*, sRGB 124%*, Adobe RGB 87.5%*
Contrast ratio (typical): 1000:1
SmartContrast: Mega Infinity DCR
Response time (typical): 1 ms (Grey to Grey)*
Viewing angle: 178º (H)/178º (V), @ C/R > 10
Picture enhancement: SmartImage game
Maximum resolution: 3840 x 2160 @ 144 Hz
Effective viewing area:
697.344 (H) x 392.2344 (V)
Scanning Frequency: 30–255 kHz (H) / 48–144 Hz (V)
sRGB
Delta E: < 2 (sRGB)
Flicker-free
Pixel Density: 139.87 PPI
LowBlue Mode
Display Screen Coating: Anti-Glare, 3H, Haze 25%
SmartUniformity: 93 ~ 105%
MPRT: 1 ms
Low Input Lag
EasyRead
AMD FreeSync™ technology: Premium
G-SYNC: Compatible (DP)*
HDR: DisplayHDR 400 certified

Connectivity

Signal Input: HDMI 2.1 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 Gen 1 x 4 (downstream with 2 fast charge B.C 1.2)
HDCP: HDCP 1.4 (HDMI / DP); HDCP 2.2 (HDMI / DP)

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)
MultiView: PBP (2 x devices)

Stand

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

Power

Power supply: Internal, 100–240 VAC, 50–60 Hz
Off mode: 0.3 W (typ.)
On mode: 64.0 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 186 mm
Product without stand (mm): 715 x 420 x 60 mm
Product with stand (max height):
715 x 640 x 297 mm

Weight

Product with packaging (kg): 15.37 kg
Product with stand (kg): 10.55 kg
Product without stand (kg): 7.74 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, SIAA

Compliance and standards

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

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

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* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.
* 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
* 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®
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* The monitor may look different from feature images.

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