

PHILIPS

EVNIA



Full HD gaming
monitor

Gaming monitor

Evnia 2000

24 (23.8" / 60.5 cm diag.)

1920 x 1080 (Full HD)



24M2N2100NF

Broaden your gaming horizon

This 24-inch IPS monitor brings sharp visuals to gaming. With its 144Hz refresh rate and 0.5ms Smart MBR, you can expect clear visuals and a high-quality all-around gaming experience.

Features designed for gamers needs

- Evnia Precision Center: Maximize Your Gaming Experience
- ShadowBoost: for bringing dark scenes to life.
- Smart MBR: for reducing motion blur.
- SmartImage game mode optimized for gamers
- LowBlue mode and Flicker-free easy-on-the eyes viewing
- Smart Crosshair: for better aim and more fun

Built for fast action

- 144Hz refresh rates for ultra-smooth, brilliant images
- 0.5 ms ultra-fast speed for crisp image and smooth gameplay
- Low input lag reduces time delay between devices to monitor

Immersive visuals

- 16:9 Full HD display for crisp detailed images
- SmartContrast for rich black details

Gaming monitor

Full HD gaming monitor

24M2N2100NF/69

Highlights

144Hz Gaming



You play intense, competitive gaming. You demand 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 144Hz frame rate, you get those critical missing images on the screen which shows 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 improve on playing twitch-sensitive video games, particularly important to whom plays fast-paced, competitive games.

0.5 ms Smart MBR fast response



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

16:9 Full HD display



Picture quality matters. Regular displays deliver quality, but you expect more. This display features enhanced Full HD 1920 x 1080 resolution. With Full HD for crisp detail paired with high brightness, incredible contrast and realistic colors expect a true to life picture.

SmartContrast



SmartContrast is a Philips technology that analyzes the contents you are displaying, automatically adjusting colors 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 & 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.

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 display with fastest response time, high color, along with image adjustments. "RTS" mode (Real time strategy) has a special SmartFrame mode which enables highlighting of specific area and allows for size and image adjustments. Gamer 1 and Gamer 2 enable you to save personal customized settings based on different games, ensuring best performance.



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Smart MBR



In an effort to reduce motion blur, this monitor's LED backlight will work simultaneously with the refresh rate to control brightness levels for the best picture clarity. Please note that Smart MBR is a type of gaming mode and it is recommended to turn the function off when not gaming as it may cause screen-flickering.

Smart Crosshair



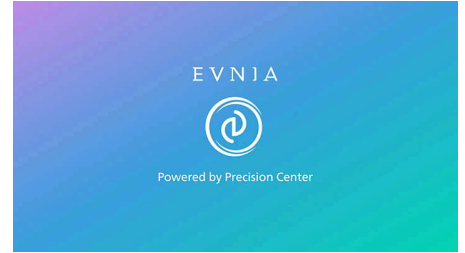
Color of Crosshair is set by default. When Smart Crosshair is on, the color will change as complementary color to the background color. Smart Crosshair enhances the accuracy of aiming so you can spot the enemies more easily.

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.

Evidia Precision Center



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

Gaming monitor

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Specifications

Picture/Display

Panel Size: 23.8"/60.5 cm
Aspect ratio: 16:9
LCD panel type: IPS
Backlight type: W-LED system
Pixel pitch: 0.2058 (H) x 0.2058 (V)mm
Brightness: 300 cd/m²
Display colors: 16.7 M
Color gamut (typical): Adobe RGB 92.9%; DCI-P3:94%, sRGB: 120%, NTSC 104%,*
Contrast ratio (typical): 1500:1
SmartContrast: Mega Infinity DCR
Response time (typical): 4 ms (Gray to Gray)*
Viewing angle: 178° (H) / 178° (V), @ C/R > 10
Picture enhancement: SmartImage game
Maximum resolution: 1920x1080 @ 144Hz (HDMI)
Effective viewing area: 527.04(H)x296.46(V)mm
Scanning Frequency: 30-170KHz(H)/ 48-144Hz(V)
sRGB
Flicker-free
Pixel Density: 92.56 PPI
Display Screen Coating: Anti-Glare, 3H, Haze 25%
Low Input Lag: Yes*
EasyRead
Adaptive sync (VRR)
Smart Crosshair
Smart MBR: 0.5 ms*
Smart MBR Sync
Shadow Boost

Connectivity

Signal Input: HDMI 1.4 x 1
Audio (In/Out): Headphone out
HDCP: HDCP 1.4 (HDMI)

Convenience

Plug & 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 (100x100mm), LowBlue Mode
Control software: Evnia Precision Center

Stand

Tilt: -5/20 degree

Power

Power supply: Internal, 100-240VAC, 50-60Hz
Off mode: 0.3 W (typ.)
On mode: 15.8 W (typ.)
Standby mode: 0.5 W (typ.)
Power LED indicator: Operation - White, Standby mode- White (blinking)

Dimensions

Packaging in mm (WxHxD): 690 x 420 x 124 mm
Product without stand (mm): 544 x 321 x 51 mm
Product with stand(max height): 544 x 434 x 207 mm

Weight

Product with packaging (kg): 5.00 kg
Product with stand (kg): 2.88 kg
Product without stand (kg): 2.49 kg

Operating conditions

Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
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: PVC / BFR free housing
Post consumer recycled plastics: 85%*

Compliance and standards

Regulatory Approvals: CB, CE Mark, ETL, CEC, MEPS, PSB, PSE, BSMI, VCCI, UKCA, EMF, FCC, ICES-003

Cabinet

Color: Charcoal
Finish: Textured



* 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
* Smart MBR is to adjust brightness for blur reduction, so cannot adjust brightness while Smart MBR is turned on. To reduce motion blur, LED backlight will strobe synchronously with screen refresh, which may cause noticeable brightness change.
* Smart MBR is gaming-optimized mode. Turn on Smart MBR may cause noticeable screen flickering. It is recommended to turn off when you are not using the gaming function.
* Adobe RGB and DCI-P3 Coverage based on CIE1976, sRGB Area based on CIE1931, NTSC Area based on CIE1976.
* Please note that the low input lag feature is permanently enabled and cannot be switched off.
* This monitor strives for sustainability: the monitor's chassis is made up of 85% post-consumer recycled plastic.
* The monitor may look different from feature images.
* The products and accessories listed on this leaflet may differ by country and region.