

Philips Gaming Monitor  
Full HD gaming monitor

## Momentum 3000

24 (23.8"/60.5 cm diag.)  
1920 x 1080 (Full HD)

24M1N3200VA



# Take gaming to the next level

This Philips gaming monitor is an ideal all-around display for intense PC games. A rapid 165 Hz refresh rate and 1 ms response time deliver smooth gameplay. Includes a visually immersive slim-frame display and Ultra Wide-Color.

### The gaming advantage is yours

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

### Immersive visuals

- VA display delivers awesome images with wide viewing angles
- 16:9 Full HD display for crisp, detailed images
- Ultra Wide-Color wider range of colours for a vivid picture
- SmartContrast for rich black details

### 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

# PHILIPS

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24M1N3200VA/00

# Highlights

## AMD FreeSync™ Premium



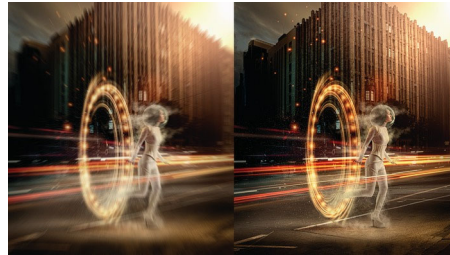
Gaming shouldn't be a choice between choppy gameplay or broken frames. AMD FreeSync™ Premium equips serious gamers with a fluid, tear-free gameplay experience at peak performance. There are no compromises, game confidently with a high refresh rate, low framerate compensation and low latency.

## 165 Hz Gaming



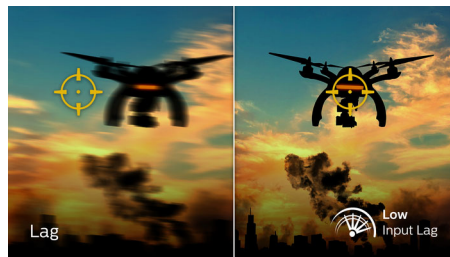
You play intense, competitive gaming. You demand display with lag free, ultra-smooth images. This Philips display redraws the screen image up to 165 times per second, effectively faster than a standard display. A lower frame rate can make enemies appear to jump from spot to spot on the screen, making them difficult targets to hit. With 165 Hz 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

## 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.

## 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.

## 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.

## 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.



# Specifications

## Picture/Display

- LCD panel type: VA LCD
- Backlight type: W-LED system
- Panel Size: 23.8 inch/60.5 cm
- Display Screen Coating: Anti-Glare, 3H, Haze 25%
- Effective viewing area: 527.04 (H) x 296.46 (V)
- Aspect ratio: 16:9
- Maximum resolution: 1920 x 1080 @ 165 Hz\*
- Pixel Density: 92.56 PPI
- Response time (typical): 4 ms (Grey to Grey)\*
- MPRT: 1 ms
- Low Input Lag
- Brightness: 350 cd/m<sup>2</sup>
- SmartContrast: Mega Infinity DCR
- Contrast ratio (typical): 3500:1
- Pixel pitch: 0.2745 x 0.2745 mm
- Viewing angle: 178° (H)/178° (V), @ C/R > 10
- Flicker-free
- Colour gamut (typical): NTSC 96%\*, sRGB 125.9%\*, Adobe RGB 87.5%\*
- Picture enhancement: SmartImage game
- Display colours: 16.7 M
- Scanning Frequency: 30 - 200 kHz (H) / 48 - 165 Hz (V)
- LowBlue Mode
- EasyRead
- sRGB
- AMD FreeSync™ technology: Premium

## Connectivity

- Signal Input: HDMI 2.0 x 2, DisplayPort 1.2 x 1
- Audio (In/Out): Audio out
- Sync Input: Separate Sync

## Convenience

- Built-in Speakers: 3 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: 21 W (typ.)
- Standby mode: 0.5 W (typ.)
- Off mode: 0.3 W (typ.)
- Energy Label Class: F
- Power LED indicator: Operation - White, Standby mode - White (flashing)
- Power supply: External, 100–240 VAC, 50–60 Hz

## Dimensions

- Product with stand (max height): 540 x 513 x 213 mm
- Product without stand (mm): 540 x 321 x 43 mm
- Packaging in mm (W x H x D): 600 x 526 x 164 mm

## Weight

- Product with stand (kg): 3.80 kg
- Product without stand (kg): 2.40 kg
- Product with packaging (kg): 5.75 kg

## Operating conditions

- Temperature range (operation): 0°C to 40°C °C
- Temperature range (storage): -20°C to 60°C °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, Mercury Free
- Recyclable packaging material: 100 %

## 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?

- Monitor with stand
- Cables: HDMI cable, DP cable, Power cable
- User Documentation



Issue date 2022-04-28

Version: 3.1.1

12 NC: 8670 001 79618  
EAN: 87 12581 78108 8

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\* 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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\* The monitor may look different from feature images.