

Philips Gaming Monitor  
Quad HD gaming monitor

## Momentum 5000

27" (68.5 cm)  
2560 x 1440 (QHD)

27M1F5500P



## Feel your game

This Philips gaming monitor is designed for the highest intensity gameplay. Ultra-fast 240 Hz and 1 ms response time create tear-free and low latency gameplay. Enjoy visual awesomeness with 4-sided slim-frame Nano IPS Display and DisplayHDR 600.

### The gaming advantage is yours

- Ultra-fast 240 Hz refresh rate for virtually lag-free gaming
- Low input lag reduces time delay between devices to monitor

### Immersive visuals

- 4-sided frameless display
- 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

### Features designed for you

- MultiView enables simultaneous dual connection and view
- LowBlue mode and Flicker-free easy-on-the eyes viewing
- SmartErgoBase enables user-friendly ergonomic adjustments
- EasySelect menu toggle key for quick on-screen menu access



# PHILIPS

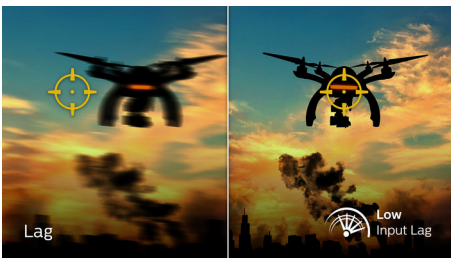
# Highlights

## 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.

## 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.

## 4-sided frameless



Extremely minimising 4 sided bezels on this virtually frameless display give a minimalist look and offer an expansive viewing experience. Expands your productivity and makes you focus on the vivid images with seamless visions. Significant wide view without distraction and even multi monitor set-up in pivot mode.

## 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.

## CrystalClear images



These Philips screens deliver Crystal Clear, Quad HD 2560 x 1440 or 2560 x 1080 pixel images. Utilising high-performance panels with high-density pixel count, enabled by high-bandwidth sources like Displayport, HDMI and Dual link DVI, 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, a user of 3D graphic applications or a financial wizard working on huge spreadsheets, Philips displays will give you Crystal Clear images.

## 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: Nano IPS
- 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: 2560 x 1440 @ 144 Hz (HDMI); 2560 x 1440 @ 240 Hz\* (DP)
- Pixel Density: 108.79 PPI
- Response time (typical): 1 ms (Grey to Grey)\*
- Low Input Lag
- Brightness: 450 cd/m<sup>2</sup>
- SmartContrast: Mega Infinity DCR
- Contrast ratio (typical): 1000:1
- Pixel pitch: 0.2331 x 0.2331 mm
- Viewing angle: 178° (H)/178° (V), @ C/R > 10
- Flicker-free
- Colour gamut (min.): DCI-P3 98%\*
- Colour gamut (typical): NTSC 111.6%\*, sRGB 131.9%\*, Adobe RGB 92.9%\*
- HDR: DisplayHDR 600 certified
- Picture enhancement: SmartImage game
- Display colours: 1.07 Billion (10 Bits, FRC)
- Scanning Frequency: HDMI: 30 - 230 kHz (H) / 48 - 144 Hz (V); DP: 30 - 255 kHz (H) / 48 - 240 Hz (V)
- SmartUniformity: 97 ~ 102%
- Delta E: < 2 (sRGB)
- LowBlue Mode
- EasyRead
- sRGB
- Adaptive sync

## Connectivity

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

## Convenience

- MultiView: PBP (2 x devices)
- 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: 37.4 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): 609 x 552 x 235 mm
- Product without stand (mm): 609 x 353 x 46 mm
- Packaging in mm (W x H x D): 780 x 521 x 224 mm

## Weight

- Product with stand (kg): 5.99 kg
- Product without stand (kg): 4.56 kg
- Product with packaging (kg): 10.99 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, 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, DisplayPort cable, USB upstream cable, Power cable
- User Documentation



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\* "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  
\* DCI-P3 Coverage based on CIE1976  
\* NTSC Area based on CIE 1976  
\* sRGB Area based on CIE1931  
\* Adobe RGB Coverage based on CIE 1976  
\* The monitor may look different from feature images.