

Philips Momentum  
LCD monitor

## Momentum

27" (68.6 cm)  
2560 x 1440 (QHD)

275M8



# Get in the moment

This Quad HD Momentum monitor gets you in the moment. AMD FreeSync™ technology and 144Hz fast refresh rate give flawlessly smooth entertainment experience for playing games and watching movies. Scenes look more real with Ultra Wide-Color.

### Built for fast action

- AMD FreeSync™ Premium; tear free, stutter free, fluid gaming
- 144Hz refresh rates for ultra-smooth, brilliant images
- SmartImage game mode optimized for gamers
- 1ms (MPRT) fast response for crisp image and smooth gameplay

### Superb Picture Quality

- VA display delivers awesome images with wide viewing angles
- Ultra Wide-Color wider range of colors for a vivid picture
- Crystalclear images with Quad HD 2560 x 1440 pixels

### Features designed for you

- HDMI ensures universal digital connectivity
- DisplayPort connection for maximum visuals

### Get comfortable

- LowBlue Mode for easy on-the-eyes productivity
- Less eye fatigue with Flicker-free technology

# PHILIPS

# 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.

## 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

## 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.

## 1ms MPRT fast response



MPRT (motion picture response time) is more intuitive way to describe the response time, which directly refers the duration from seeing blurry noise to clean and crisp images. Philips gaming monitor with 1 ms MPRT effectively eliminates smearing and motion blur, delivers shaper and precise visuals to enhance gaming

experience. Best choice for playing thrilling and twitch-sensitive games.

## VA display



Philips VA LED display uses an advanced multi-domain vertical alignment technology which gives you super-high static contrast ratios for extra vivid and bright images. While standard office applications are handled with ease, it is especially suitable for photos, web-browsing, movies, gaming, and demanding graphical applications. It's optimized pixel management technology gives you 178/178 degree extra wide viewing angle, resulting in crisp images.

## Ultra Wide-Color Technology



Ultra Wide-Color Technology delivers a wider spectrum of colors for a more brilliant picture. Ultra Wide-Color wider "color gamut" produces more natural-looking greens, vivid reds and deeper blues. Bring media entertainment, images, and even productivity more alive and vivid colors from Ultra Wide-Color Technology.

# Specifications\*

## Picture/Display

- LCD panel type: VA LCD
- Backlight type: W-LED system
- Panel Size: 27 inch / 68.6 cm
- Display Screen Coating: Anti-Glare, 3H, Haze 25%
- Effective viewing area: 596.7 (H) x 335.7 (V) mm
- Aspect ratio: 16:9
- Optimum resolution: 2560 x 1440 @ 144 Hz
- Pixel Density: 109 PPI
- Response time (typical): 1 ms (MPRT)
- Brightness: 250 cd/m<sup>2</sup>
- SmartContrast: Mega Infinity DCR
- Contrast ratio (typical): 3000:1
- Pixel pitch: 0.233 x 0.233 mm
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- Flicker-free
- Color gamut (typical): NTSC 99%\*, sRGB 122%\*
- Display colors: 16.7 M
- Scanning Frequency: 30 - 160 kHz (H) / 48 - 144 Hz (V)
- LowBlue Mode
- sRGB
- AMD FreeSync™ technology: Premium

## Connectivity

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

## Convenience

- User convenience: Power On/Off, Menu/OK, Brightness/UP, Input/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)
- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 10 / 8.1 / 8 / 7

## Stand

- Tilt: -5/20 degree

## Power

- On mode: 36.9 W (typ.)
- Standby mode: 0.5 W (typ.)
- Off mode: 0.3 W (typ.)
- Power LED indicator: Operation - White, Standby mode- White (blinking)
- Power supply: External, 100-240VAC, 50-60Hz

## Dimensions

- Product with stand (mm): 613 x 461 x 210 mm
- Product without stand (mm): 613 x 368 x 42 mm
- Packaging in mm (WxHxD): 683 x 525 x 249 mm

## Weight

- Product with stand (kg): 3.95 kg
- Product without stand (kg): 3.40 kg
- Product with packaging (kg): 6.35 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: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- 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, CCC, CEL, CECP

## Cabinet

- Color: Black
- Finish: Textured



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\* Response time value equal to SmartResponse

\* NTSC Area based on CIE1976

\* sRGB Area based on CIE1931

\* For any questions related to 144Hz performance please refer to your card vendor directly.

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\* The monitor may look different from feature images.