Philips Momentum
QHD LCD monitor

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

275M1RZN

Take gaming to the next level

This Momentum QHD gaming monitor delivers a new level of immersion. AMD FreeSync™, LowInput lag and 170Hz fast refresh rate offer smooth gaming. Nano IPS display delivers vibrant color and a wide viewing angle.

Built for fast action
- AMD FreeSync™ Premium; tear free, stutter free, fluid gaming
- 170Hz refresh rates for ultra-smooth, brilliant images
- 1ms (MPRT) fast response for crisp image and smooth gameplay
- Low input lag reduces time delay between devices to monitor

Expand your viewing experience
- IPS Nano color technology extends gamut for vibrant visuals
- Crystalclear images with Quad HD 2560 x 1440 pixels
- High Dynamic Range (HDR) for more lifelike colorful visuals

Features designed for gamers needs
- SmartImage game mode optimized for gamers
- Less eye fatigue with Flicker-free technology
- LowBlue Mode for easy on-the-eyes productivity
- Tilt, swivel and height-adjust for an ideal viewing position

reddot winner 2020

PHILIPS

Highlights

IPS Nano color

For critical imaging, gaming and productivity needs, Nano IPS display provides precise color accuracy across a wide viewing angle without color 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 color. True-to-life color. Our display panels achieve up to 98% coverage of the DCI-P3 color gamut standard for color purity as defined by The Society of Motion Pictures and Television Engineers for cinematic picture quality.

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.

170Hz Gaming

You play intense, competitive gaming. You demand display with lag free, ultra-smooth images. This Philips display redraws the screen image up-to 170 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 170Hz 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

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.

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.

Crystalclear images

These Philips screens deliver Crystalclear, Quad HD 2560x1440 or 2560x1080 pixel images. Utilizing high performance panels with high density pixel count, enabled by high bandwidth sources like Displayport, HDMI, Dual link DVI, these new displays will make your images and graphics come alive. Whether you are demanding professional requiring extremely detailed information for CAD-CAM solutions, using 3D graphic applications or a financial wizard working on huge spreadsheets, Philips displays will give you Crystalclear images.

High Dynamic Range (HDR)

High Dynamic Range delivers a dramatically different visual experience. With astonishing brightness, incomparable contrast and captivating color, images come to life with much greater brightness while also featuring much deeper, more nuanced darks. It renders a fuller palette of rich new colors never before seen on display, giving you a visual experience that engages your senses and inspires emotions.

Red Dot

Red Dot stands for belonging to the best in design and business
This gaming monitor scores with the striking base, which radiates a solid presence and thereby underlines the quality of the monitor.

Specifications

Picture/Display

- LCD panel type: IPS technology
- 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) mm
- Aspect ratio: 16:9
- Maximum resolution: 2560 x 1440 @ 170 Hz* (DP -> overclock); 2560 x 1440 @ 144 Hz (HDMI)
- Pixel Density: 109 PPI
- Response time (typical): 1 ms (Gray to Gray)*
- MPRT: 1 ms
- Low Input Lag
- Brightness: 350 cd/m²
- 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
- HDR: HDR ready
- Color gamut (min.): DCI-P3 Coverage: 98%*
- Color gamut (typical): NTSC 110%*, sRGB 130%*, Adobe RGB 110%*
- Picture enhancement: SmartImage game
- Display colors: Color support 1.07 billion colors
- Scanning Frequency: HDMI: 30 - 230 kHz (H) / 48 - 144 Hz (V); DP: 30 - 255 kHz (H) / 48 - 170 Hz (V)
- SmartUniformity: 97 ~ 102%
- Delta E: < 2 (sRGB)
- sRGB
- LowBlue Mode
- AMD FreeSync™ technology: Premium

Connectivity

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

Convenience

- 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, Ukranian

- Other convenience: Kensington lock, VESA mount (100x100mm)
- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 10 / 8.1 / 8 / 7

Stand

- Height adjustment: 130 mm
- Swivel: -/+ 35 degree
- Tilt: -5/20 degree

Power

- On mode: 46.2 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(max height): 614 x 567 x 251 mm
- Product without stand (mm): 614 x 370 x 75 mm
- Packaging in mm (WxHxD): 730 x 475 x 224 mm

Weight

- Product with stand (kg): 5.96 kg
- Product without stand (kg): 3.82 kg
- Product with packaging (kg): 8.60 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: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- 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, MEPS, RCM

Cabinet

- Color: Black
- Finish: Textured / Glossy