Philips Momentum
Full HD Curved LCD
monitor

Momentum
24 (23.6" / 59.9 cm diag.)
Full HD (1920 x 1080)

242M7

Get in the moment

The curved Momentum monitor gets you in the moment. AMD FreeSync 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

- Effortlessly smooth gameplay with AMD FreeSync™ technology
- 144Hz refresh rates for ultra-smooth, brilliant images
- SmartImage game mode optimized for gamers

Superb Picture Quality

- VA display gives awesome images with wide viewing angle
- Ultra Wide-Color wider range of colors for a vivid picture

Design to enhance the senses

- Curved display design for more immersive experience
- Narrow border display for a seamless appearance

Get comfortable

- Screen tilts to your ideal, individualized viewing angle
- LowBlue Mode for easy on-the-eyes productivity
- Less eye fatigue with Flicker-free technology

PHILIPS
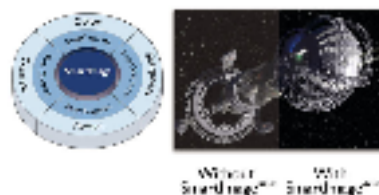
Highlights

Ultra-smooth gaming

Gaming shouldn't be a choice between choppy gameplay or broken frames. With the new Philips monitor it doesn't have to be. Get fluid, artifact-free performance at virtually any framerate with AMD FreeSync™ technology, smooth quick refresh and ultra-fast response time.

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.

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.

Curved display design

Desktop monitors offer a personal user experience, which suits a curve design very well. The curved screen provides a pleasant yet subtle immersion effect, which focuses on you at the center of your desk.

UltraNarrow Border

The new Philips displays feature ultra-narrow borders which allow for minimal distractions and maximum viewing size. Especially suited for multi-display or tiling setup like gaming, graphic design and professional applications, the ultra-narrow border display gives you the feeling of using one large display.

Specifications

Picture/Display
- LCD panel type: VA LCD
- Backlight type: W-LED system
- Panel Size: 23.6 inch / 59.9 cm
- Display Screen Coating: Anti-Glare, 3H, Haze 25%
- Effective viewing area: 521.4 (H) x 293.3 (V) - at a 1500R curvature*
- Aspect ratio: 16:9
- Optimum resolution: 1920 x 1080 @ 144 Hz
- Pixel Density: 93 PPI
- Response time (typical): 4 ms (GtG)*
- Brightness: 250 cd/m²
- SmartContrast: 80,000,000:1
- Contrast ratio (typical): 3000:1
- Pixel pitch: 0.272 x 0.272 mm
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- Flicker-free
- Color gamut (typical): NTSC 98.7%*, sRGB 121.4%*
- Picture enhancement: SmartImage game
- Display colors: 16.7 M
- Scanning Frequency: 30 - 160 kHz (H) / 48 - 144 Hz (V)
- LowBlue Mode
- EasyRead
- FreeSync
- sRGB

Connectivity
- Signal Input: VGA (Analog), DisplayPort 1.2, HDMI 1.4
- Sync Input: Separate Sync, Sync on Green
- Audio (In/Out): Audio out

Convenience
- User convenience: Power On/Off, Menu/OK, Brightness/Down, Input/Up, 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
- Tilt: -5/20 degree

Power
- On mode: 25 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): 537 x 413 x 198 mm
- Product without stand (mm): 537 x 325 x 37 mm
- Packaging in mm (WxHxD): 595 x 484 x 243 mm

Weight
- Product with stand (kg): 3.20 kg
- Product without stand (kg): 2.85 kg
- Product with packaging (kg): 5.18 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, Lead-free, Mercury Free, WEEE
- Recyclable packaging material: 100 %

Compliance and standards
- Regulatory Approvals: CCC, CECP, CEL

Cabinet
- Color: Black
- Finish: Textured

* Radius of the arc of the display curvature in mm
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* For any questions related to 144Hz performance please refer to your card vendor directly.
* Response time value equal to SmartResponse
* The monitor may look different from feature images.
* NTSC Area based on CIE1976
* sRGB Area based on CIE 1931