Full HD Curved LCD monitor

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

242M7/93

Get in the moment

The curved 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.

Benefits

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

Superb Picture Quality

- VA display delivers awesome images with wide viewing angles
- 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

Features

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.

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.
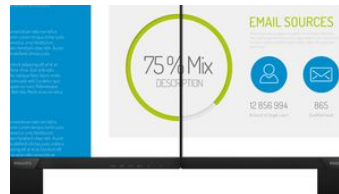
Ultra Wide-Color Technology

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.
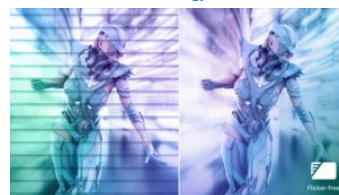
Screen tilts

LowBlue Mode

Studies have shown that just as ultra-violet rays can cause eye damage, shortwave length blue light rays from LED displays can cause eye damage and affect vision over time. Developed for wellbeing, Philips LowBlue Mode setting uses a smart software technology to reduce harmful shortwave blue light.

Flicker-free technology

Due to the way brightness is controlled on LED-backlit screens, some users experience flicker on their screen which causes eye fatigue. Philips Flicker-free

Technology applies a new solution to regulate brightness and reduce flicker
for more comfortable viewing.

Gaming Monitor

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	Yes
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	Yes
sRGB	Yes
AMD FreeSync™ technology	Premium

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 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	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
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 WEEE
Recyclable packaging material	100 %
Specific Substances	Mercury free PVC / BFR free housing

Compliance and standards

Regulatory Approvals	CCC CECP CEL

Cabinet

Color	Black
Finish	Textured

Design

Designed in Amsterdam, NL	Yes

Gaming Monitor

* Radius of the arc of the display curvature in mm
* 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.

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