



Full HD Curved LCD display

- Momentum
- 32 (31.5" / 80 cm diag.)
- 1920 x 1080 (Full HD)

322M8CP/89

## Get in the moment

This Philips curved momentum monitor combines a 240Hz refresh rate with AMD FreeSync Premium. Gaming features for lifelike visuals, tear-free, and low latency gameplay while delivering wide viewing angles. Best for the most intense games.

### Benefits

#### Design to enhance the senses

- Curved display design for more immersive experience

#### Built for fast action

- AMD FreeSync™ Premium; tear free, stutter free, fluid gaming
- Ultra-fast 240 Hz refresh rate for virtually lag-free gaming
- Low input lag reduces time delay between devices to monitor
- SmartImage game mode optimized for gamers
- 0.5 ms ultra-fast speed for crisp image and smooth gameplay

#### Superb Picture Quality

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

#### Get comfortable

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

# PHILIPS

## Gaming Monitor

### Features

#### 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.

#### AMD FreeSync™ Premium



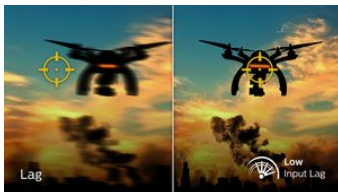
Gaming shouldn't be a choice between choppy gameplay or broken frames. AMD FreeSync™ Premium equips serious gamers with a fluid, tear-free gameplay experience at peak performance. There are no compromises, game confidently with a high refresh rate, low framerate compensation, and low latency.

#### Ultra-fast 240 Hz refresh rate



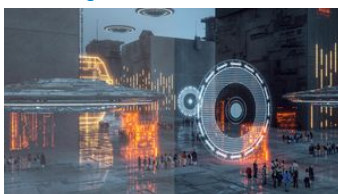
While playing the most intense engaging action-oriented games, ultra-fast 240 Hz refresh rate enhances an ultra-smooth, lag-free gaming experience. This Philips display redraws the screen image up-to 240 times per second, effectively faster than a standard display. Especially for fast-paced games like FPS and racing games, 240 Hz gives a superior motion and clarity visuals. With Philips 240 Hz display, action sequences in gameplay look judder-free and ghost-free. You will experience deeper immersion and feeling 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 improve on playing twitch-sensitive video games, particularly important to whom plays fast-paced, competitive games.

#### 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.

#### 0.5 ms MPRT fast response



Philips Momentum display with 0.5 ms MPRT effectively eliminates smearing and motion blur, delivers sharper and precise visuals to enhance gaming experience. Fast-moving action and dramatic transitions will be rendered smoothly. Best choice for playing thrilling and twitch-sensitive games.

#### 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.

#### 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.

#### 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.

Gaming Monitor

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.

Specifications

[field not found 'disclaimer\_text']

Picture/Display

LCD panel type	VA LCD
Backlight type	W-LED system
Panel Size	31.5 inch / 80 cm
Display Screen	Anti-Glare, 3H, Haze 25%
Coating	
Effective viewing area	698.4 (H) x 392.9 (V) mm - at a 1500R curvature*
Aspect ratio	16:9
Maximum resolution	1920 x 1080 @ 240 Hz*
Pixel Density	70 PPI
Response time (typical)	4 ms (Gray to Gray)*
MPRT	0.5 ms
Low Input Lag	Yes
Brightness	250 cd/m²
SmartContrast	Mega Infinity DCR
Contrast ratio (typical)	4000:1
Pixel pitch	0.364 x 0.364 mm
Viewing angle	178° (H) / 178° (V) @ C/R > 10
Color gamut (typical)	NTSC 100%*, sRGB 120%*
Display colors	16.7 M
Scanning Frequency	30 - 255 kHz (H) / 48 - 240 Hz (V)
Flicker-free	Yes
LowBlue Mode	Yes
sRGB	Yes
AMD FreeSync™ technology	Premium

Connectivity

Signal Input	DisplayPort x 1 HDMI x 2
Sync Input	Separate Sync
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

Other convenience	Traditional Chinese Ukrainian 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	40.72 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	Built-in 100-240VAC, 50-60Hz

Dimensions

Product with stand(max height)	709 x 526 x 245 mm
Product without stand (mm)	709 x 425 x 88 mm
Packaging in mm (WxHxD)	790 x 619 x 297 mm

Weight

Product with stand (kg)	6.84 kg
Product without stand (kg)	5.93 kg
Product with packaging (kg)	9.93 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 FCC Class B
----------------------	------------------------------

Gaming Monitor

	ICES-003	Finish	Textured
Cabinet			
Color	Black		

- \* Radius of the arc of the display curvature in mm
- \* The maximum resolution works for either HDMI input or DP input.
- \* 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
- \* MPRT is to adjust brightness for blur reduction, so cannot adjust brightness while MPRT is turned on. To reduce motion blur, LED backlight will strobe synchronously with screen refresh, which may cause noticeable brightness change.
- \* MPRT is gaming-optimized mode. Turn on MPRT may cause noticeable screen flickering. It is recommended to turn off when you are not using the gaming function.
- \* NTSC Area based on CIE1976
- \* sRGB Area based on CIE1931
- \* 2020 Advanced Micro Devices, Inc. All rights reserved. AMD, the AMD Arrow logo, AMD FreeSync™ and combinations thereof are trademarks of Advanced Micro Devices, Inc. Other product names used in this publication are for identification purposes only and may be trademarks of their respective companies.
- \* The monitor may look different from feature images.



data subject to change  
2023, September 8  
Version: 2.0.1  
EAN: 8712581796372

© 2023 Koninklijke Philips N.V.  
All rights reserved.  
Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips N.V. or their respective owners.  
[www.philips.com](http://www.philips.com)