



Full HD Curved LCD display

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

322M8CZ/89

## Get in the moment

This Full HD curved Momentum display gets you in the moment. AMD FreeSync™ and 165Hz fast refresh rate give flawlessly smooth entertainment experience for playing games and watching movies. Scenes look more real with Ultra Wide-Color.

### Benefits

#### Design to enhance the senses

- Curved display design for more immersive experience

#### Expand your viewing experience

- VA display delivers awesome images with wide viewing angles
- 16:9 Full HD display for crisp detailed images
- Ultra Wide-Color wider range of colors for a vivid picture

#### Built for fast action

- AMD FreeSync™ Premium; tear free, stutter free, fluid gaming

- 165Hz refresh rates for ultra-smooth, brilliant images
- SmartImage game mode optimized for gamers
- 1ms (MPRT) fast response for crisp image and smooth gameplay

#### Get comfortable

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

**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.

### 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.

### 16:9 Full HD display



Picture quality matters. Regular displays deliver quality, but you expect more. This display features enhanced Full HD 1920 x 1080 resolution. With Full HD for crisp detail paired with high brightness, incredible contrast and realistic colors expect a true to life picture.

### 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.

### 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.

### 165Hz Gaming



You play intense, competitive gaming. You demand display with lag free, ultra-smooth images. This Philips display redraws the screen image up-to 165 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 165Hz 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.

### 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

### 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.

## Specifications

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### Picture/Display

LCD panel type	VA LCD
Backlight type	W-LED system
Panel Size	31.5 inch / 80 cm
Display Screen Coating	Anti-Glare, 3H, Haze 25%
Effective viewing area	698.4 (H) x 392.9 (V) mm - at a 1500R curvature*
Aspect ratio	16:9
Optimum resolution	1920 x 1080 @ 165 Hz
Pixel Density	70 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	0.364 x 0.364 mm
Viewing angle	178° (H) / 178° (V) @ C/R > 10
Color gamut (typical)	NTSC 105%*, sRGB 122%*
Display colors	16.7 M
Scanning Frequency	30 - 160 kHz (H) / 48 - 165 Hz (V)
Flicker-free	Yes
LowBlue Mode	Yes
sRGB	Yes
AMD FreeSync™ technology	Premium

### Connectivity

Signal Input	VGA (Analog ) 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

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
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### Power

On mode	43.7 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	Internal 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)	7.13 kg
Product without stand (kg)	6.22 kg
Product with packaging (kg)	10.33 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
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## Gaming Monitor

CECP  
CEL

Finish

Textured

### Cabinet

Color

Black

\* 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

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\* The monitor may look different from feature images.



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