

Philips Gaming Monitor  
Full HD Curved LCD  
display

## Momentum

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

322M8CZ



## 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.

### Built for fast action

- 165Hz refresh rates for ultra-smooth, brilliant images
- AMD FreeSync™ Premium; tear free, stutter free, fluid gaming
- SmartImage game mode optimized for gamers
- 1ms (MPRT) fast response for crisp image and smooth gameplay

### Design to enhance the senses

- Curved display design for more immersive experience

### Expand your viewing experience

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

### Get comfortable

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

# PHILIPS

Full HD Curved LCD display  
Momentum 32 (31.5" / 80 cm diag.), 1920 x 1080 (Full HD)

322M8CZ/89

# Highlights

## 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

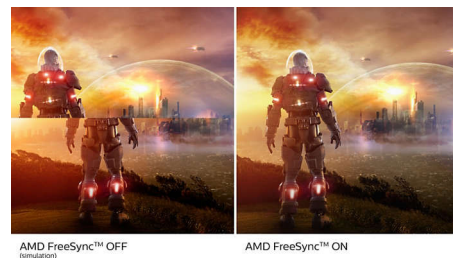
features enhanced Full HD 1920 x 1080 resolution. With Full HD for crisp detail paired with high brightness, incredible contrast and realistic colors expect a true to life picture.

## 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



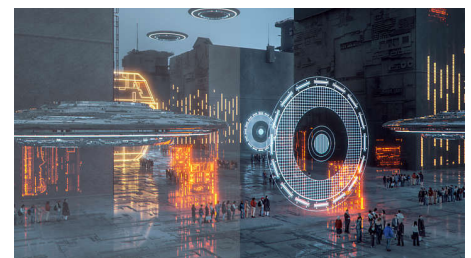
Gaming shouldn't be a choice between choppy gameplay or broken frames. AMD FreeSync™ Premium equips serious gamers with a fluid, tear-free gameplay experience at peak performance. There are no compromises, game confidently with a high refresh rate, low framerate compensation, and low latency.

## 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.



# Specifications

## Connectivity

- Signal Input: VGA (Analog), DisplayPort x 1, HDMI x 2
- Sync Input: Separate Sync, Sync on Green
- Audio (In/Out): Audio out

## Picture/Display

- Panel Size: 31.5 inch / 80 cm
- Aspect ratio: 16:9
- LCD panel type: VA LCD
- Backlight type: W-LED system
- Pixel pitch: 0.364 x 0.364 mm
- Optimum resolution: 1920 x 1080 @ 165 Hz
- Brightness: 250 cd/m<sup>2</sup>
- Display colors: 16.7 M
- Color gamut (typical): NTSC 105%\*, sRGB 122%\*
- Contrast ratio (typical): 3000:1
- SmartContrast: Mega Infinity DCR
- Response time (typical): 1 ms (MPRT)
- Viewing angle: 178° (H) / 178° (V), @ C/R &gt; 10
- Effective viewing area: 698.4 (H) x 392.9 (V) mm - at a 1500R curvature\*
- Scanning Frequency: 30 - 160 kHz (H) / 48 - 165 Hz (V)
- sRGB
- Flicker-free
- Pixel Density: 70 PPI
- LowBlue Mode
- Display Screen Coating: Anti-Glare, 3H, Haze 25%
- AMD FreeSync™ technology: Premium

## Convenience

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

## Stand

- Tilt: -5/20 degree

## Power

- Power supply: Internal, 100-240VAC, 50-60Hz
- Off mode: 0.3 W (typ.)
- On mode: 43.7 W (typ.)
- Standby mode: 0.5 W (typ.)
- Power LED indicator: Operation - White, Standby mode- White (blinking)

## Dimensions

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

## Weight

- Product with packaging (kg): 10.33 kg
- Product with stand (kg): 7.13 kg
- Product without stand (kg): 6.22 kg

## Operating conditions

- Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- Temperature range (operation): 0°C to 40 °C
- MTBF: 50,000 (Excluded backlight) hour(s)
- Relative humidity: 20%-80 %
- Temperature range (storage): -20°C to 60 °C

## 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, CECP, CEL

## Cabinet

- Color: Black
- Finish: Textured



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\* 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.