

Philips Momentum  
Curved QHD LCD display

## Momentum

32 (31.5" / 80 cm diag.)  
2560 x 1440 (QHD)

325M2CRZ



# Take gaming to the next level

This Philips Momentum with 1000R curvature closely matches your eyes, offers a truly immersive and reduces eye fatigue. 165Hz, FreeSync Premium and HDR for lifelike, tear-free, and low latency gameplay. Best for the most intense games.

### Curved design inspired by the world around us

- Curved display design for more immersive experience

### Built for fast action

- AMD FreeSync™ Premium; tear free, stutter free, fluid gaming
- 165Hz refresh rates for ultra-smooth, brilliant images
- 1ms (MPRT) fast response for crisp image and smooth gameplay
- Low input lag reduces time delay between devices to monitor

### Expand your viewing experience

- VA display delivers awesome images with wide viewing angles
- Crystalclear images with Quad HD 2560 x 1440 pixels
- SmartImage HDR gives optimal viewing from your HDR content

### Features designed for gamers needs

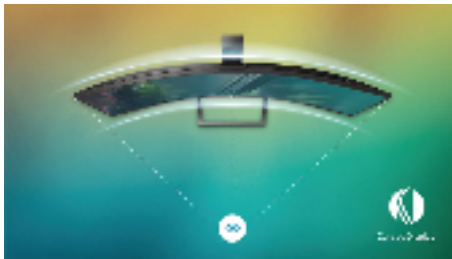
- Less eye fatigue with Flicker-free technology
- Built-in stereo speakers for multimedia
- Tilt and height-adjust for an ideal viewing position

# PHILIPS

Curved QHD LCD display  
Momentum 32 (31.5" / 80 cm diag.), 2560 x 1440 (QHD)

# Highlights

## Curved display design



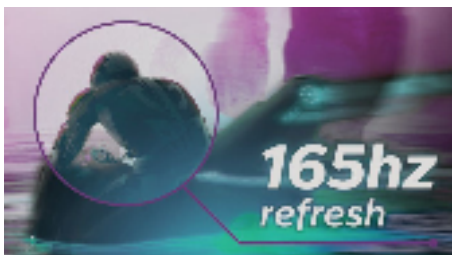
Desktop monitors offer a personal user experience, which suits a curve design very well. The curved screen provides a pleasant yet subtle immersion effect, which focuses on you at the center of your desk.

## 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

## 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 sharper and precise visuals to enhance gaming experience. Best choice for playing thrilling and twitch-sensitive games.

## 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 games.

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sensitive video games, particularly important to whom plays fast-paced, competitive games.

## Crystalclear images

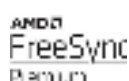


These Philips screens deliver Crystalclear, Quad HD 2560x1440 or 2560x1080 pixel images. Utilizing high performance panels with high density pixel count, enabled by high bandwidth sources like USB-C, Displayport, HDMI, Dual link DVI, these new displays will make your images and graphics come alive. Whether you are demanding professional requiring extremely detailed information for CAD-CAM solutions, using 3D graphic applications or a financial wizard working on huge spreadsheets, Philips displays will give you Crystalclear images.

## SmartImage HDR



Select one of SmartImage HDR modes to best suit your needs. HDR Game: Optimize for playing video games. With brighter white and darker black, the gaming scene is vivid and revealing more details, easily spot enemies hiding in the dark corner and shadows. HDR Movie: Ideal for watching HDR movie. Deliver better contrast and brightness for more realistic and immerse viewing experience. HDR Photo: Enhance red, green, and blue for lively visuals. DisplayHDR: VESA DisplayHDR certified\*. Personal: Customize settings in picture menu. \*Please refer to specification for HDR grade.



# Specifications

## 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 40%
- Effective viewing area: 697.344 (H) x 392.256 (V) mm - at a 1000R curvature\*
- Aspect ratio: 16:9
- Maximum resolution: HDMI: 2560 x 1440 @ 144 Hz; DP: 2560 x 1440 @ 165 Hz\*
- Pixel Density: 93 PPI
- Response time (typical): 4 ms (Gray to Gray)\*
- MPRT: 1 ms
- Low Input Lag
- Brightness: 250 cd/m<sup>2</sup>
- SmartContrast: Mega Infinity DCR
- Contrast ratio (typical): 2500:1
- Pixel pitch: 0.2724 x 0.2724 mm
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- Flicker-free
- HDR: HDR Ready
- Color gamut (typical): NTSC 100%\*, sRGB 119%\*, Adobe RGB 98%\*
- Picture enhancement: SmartImage game
- Display colors: 16.7 M
- Scanning Frequency: HDMI: 30 - 230 kHz (H) / 48 - 144 Hz (V); DP: 30 - 250 kHz (H) / 48 - 165 Hz (V)
- LowBlue Mode
- EasyRead
- sRGB
- AMD FreeSync™ technology: Premium

## Connectivity

- Signal Input: HDMI 2.0 x 2, DisplayPort x 1
- HDCP: HDCP 2.2 (HDMI / DP)
- Sync Input: Separate Sync
- Audio (In/Out): Audio out

## Convenience

- Built-in Speakers: 5 W x 2
- User convenience: Power On/Off, Menu/OK, Input/Up, Game Settings/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)

- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 10 / 8.1 / 8 / 7

## Stand

- Height adjustment: 110 mm
- Tilt: -5/20 degree

## Power

- On mode: 46.7 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): 700 x 542 x 235 mm
- Product without stand (mm): 700 x 423 x 122 mm
- Packaging in mm (WxHxD): 800 x 526 x 226 mm

## Weight

- Product with stand (kg): 7.83 kg
- Product without stand (kg): 6.29 kg
- Product with packaging (kg): 10.85 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, ICES-003, PSB

## Cabinet

- Color: Black
- Finish: Textured



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12 NC: 8670 001 83205  
EAN: 87 12581 78968 8

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

\* The maximum resolution works for DP input only.

\* 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

\* Adobe RGB Coverage based on CIE1976

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\* The monitor may look different from feature images.