

# PHILIPS

UltraWide LCD  
monitor

Gaming Monitor

Momentum

34" (86.36 cm)

3440 x 1440 (WQHD)

345M2RL



## Take console gaming to the next level

This Momentum UltraWide gaming monitor delivers an expansive viewing experience. 1ms, 144Hz, LowInput lag allow you to enjoy the precision and accuracy needed for gaming. HDR gives great visual immersion with rich colors and contrast.

### Features designed for gamers needs

- Less eye fatigue with Flicker-free technology
- LowBlue Mode for easy on-the-eyes productivity
- SmartImage game mode optimized for gamers
- Tilt and height-adjust for an ideal viewing position

### Built for fast action

- 144Hz refresh rates for ultra-smooth, brilliant images
- AMD FreeSync™ Premium; tear free, stutter free, fluid gaming
- Low input lag reduces time delay between devices to monitor
- 1ms (MPRT) fast response for crisp image and smooth gameplay

### Expand your viewing experience

- VA display delivers awesome images with wide viewing angles
- MultiView enables simultaneous dual connection and view
- CrystalClear images with UltraWide QHD 3440 x 1440 pixels
- SmartImage HDR gives optimal viewing from your HDR content

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## Highlights

### 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



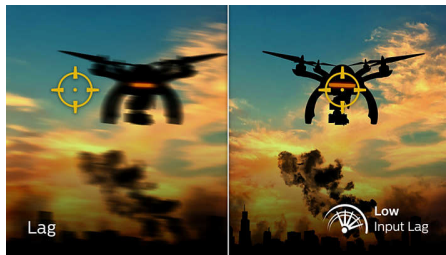
You play intense, competitive gaming. You demand display with lag free, ultra-smooth images. This Philips display redraws the screen image up-to 144 times per second, effectively 2.4x faster than a standard display. A lower frame rate can make enemies appear to jump from spot to spot on the screen, making 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

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

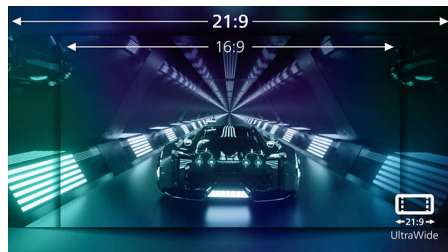
### VA display



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.

### UltraWide CrystalClear images



These Philips screens deliver CrystalClear, UltraWide Quad HD 3440 x 1440 pixel images. Utilizing high performance panels with high-density pixel count, 178/178 wide viewing angles, these new displays will make your images and graphics come alive. The UltraWide 21:9 format enables more productivity with more room for side-by-side comparisons and more viewable spreadsheet columns. Whether you are demanding professional requiring extremely detailed information for CAD-CAM solutions, or a financial wizard working on huge spreadsheets, Philips displays delivers 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.

AMD  
FreeSync  
Premium

144Hz

1ms  
Fast Response  
1ms MPRT

Low Input Lag

VA  
Wide Viewing  
Angle

WQHD

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## Highlights

### 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.

### 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.

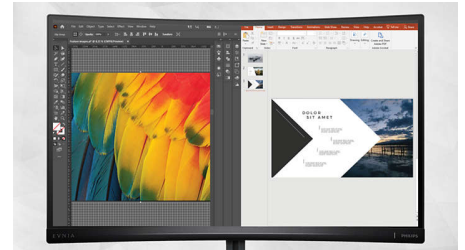
### Flicker-free technology



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.

### MultiView technology



With the ultra-high resolution Philips MultiView display you can now experience a world of connectivity. MultiView enables active dual connect and view so that you can work with multiple devices like a PC and notebook simultaneously, for complex multi-tasking.

# Specifications

## Picture/Display

**Panel Size:** 34 inch / 86.36 cm  
**Aspect ratio:** 21:9  
**LCD panel type:** VA LCD  
**Backlight type:** W-LED system  
**Pixel pitch:** 0.23175 x 0.23175 mm  
**Brightness:** 300 cd/m<sup>2</sup>  
**Display colors:** 16.7 M  
**Color gamut (typical):** NTSC 104.8%\*, sRGB 121%\*  
**Contrast ratio (typical):** 4000:1  
**SmartContrast:** Mega Infinity DCR  
**Response time (typical):** 4 ms (Gray to Gray)\*  
**Viewing angle:** 178° (H) / 178° (V), @ C/R >= 10  
**Picture enhancement:** SmartImage game  
**Maximum resolution:** HDMI: 3440 x 1440 @ 100 Hz, DP: 3440 x 1440 @ 144 Hz\*  
**Effective viewing area:** 797.22 (H) x 333.72 (V) mm  
**Scanning Frequency:** HDMI: 30 - 160 kHz (H) / 48 - 120 Hz (V), DP: 30 - 220 kHz (H) / 48 - 144 Hz (V) sRGB  
**Flicker-free**  
**Pixel Density:** 109.68 PPI  
**LowBlue Mode**  
**Display Screen Coating:** Anti-Glare, 3H, Haze 25%  
**MPRT:** 1 ms  
**Low Input Lag**  
**EasyRead**  
**AMD FreeSync™ technology:** Premium  
**HDR:** HDR 10 supported

## Connectivity

**Signal Input:** HDMI 2.0 x 2, DisplayPort 1.4 x 1  
**Sync Input:** Separate Sync  
**Audio (In/Out):** Audio out  
**HDCP:** HDCP 1.4 (HDMI / DisplayPort), HDCP 2.2 (HDMI / DisplayPort)

## Convenience

**Plug & Play Compatibility:** DDC/CI, Mac OS X, sRGB, Windows 11 / 10 / 8.1 / 8 / 7  
**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)  
**MultiView:** PIP/PBP mode\*, 2x devices

## Stand

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

## Power

**Power supply:** External, 100-240VAC, 50-60Hz  
**Off mode:** 0.3 W (typ.)  
**On mode:** 43.6 W (typ.)  
**Standby mode:** 0.5 W (typ.)  
**Power LED indicator:** Operation - White, Standby mode - White (blinking)

## Dimensions

**Packaging in mm (WxHxD):** 930 x 525 x 159 mm  
**Product without stand (mm):** 817 x 365 x 51 mm  
**Product with stand(max height):** 817 x 523 x 249 mm

## Weight

**Product with packaging (kg):** 10.20 kg  
**Product with stand (kg):** 6.96 kg  
**Product without stand (kg):** 5.41 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, FCC Class B, ICES-003, PSB

## Cabinet

**Color:** Black  
**Finish:** Textured



\* 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

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\* PIP DP: only supports up to 3440 x 1440 @ 120Hz

\* The monitor may look different from feature images.