

# PHILIPS



4K HDR display with  
Ambiglow

Monitor

Designed for Xbox

Momentum

55" (139.7 cm)

3840 x 2160 (4K UHD)



559M1RYV

## Optimised performance for next-gen console gaming

For true console gaming enthusiasts, the Designed for Xbox Momentum display delivers a new era of gaming. Level up with sound by audio experts Bowers & Wilkins and new Ambiglow lighting for deeper immersion and overall gaming awesomeness.

### Designed for Xbox

- Smooth console gaming at 4K/120 Hz
- 4K/144 Hz PC gaming on the big screen
- Designed for Xbox for the optimal gaming experience
- Purpose-built for low latency gaming
- DisplayHDR 1000 for truly vivid details and realism
- AMD FreeSync™ Premium; tear free, stutter free, fluid gaming

### Features for gamers needs

- LowBlue mode and Flicker-free easy-on-the eyes viewing
- MultiView enables simultaneous dual connection and view
- USB-C one cable does it all

### Design for immersive entertainment

- Ambiglow adds a new dimension to your viewing experience
- Integrated Bowers & Wilkins speakers for immersive sound

## Monitor

4K HDR display with Ambiglow

559M1RYV/01

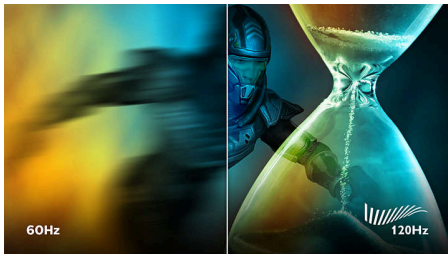
# Highlights

### Designed for Xbox



Unleash your console gaming. We partnered with the Xbox team to develop this Designed for Xbox display that is validated to deliver the optimal Xbox Series X visual performance the moment that you plug it in.

### 4K/120 Hz Console gaming



Game with ultra-clear 4K resolution at a smooth 120 Hz refresh rate when you connect your Xbox Series X and other next-gen consoles via one of multiple HDMI 2.1 connections. A faster refresh rate ensures less skipped frames, showing enemy movement in an ultra-clear, smooth motion to easily target them.

### 4K/144 Hz PC gaming



PC gamers who demand a true 4K gaming experience with the fastest refresh rate of 144 Hz can now enjoy even smoother performance with the included connections.

### Low Latency Gaming



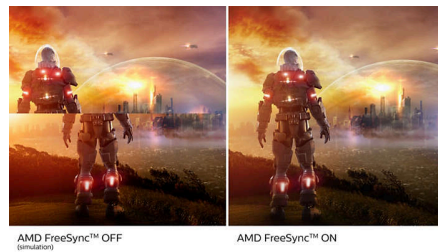
Unlike standard TVs, Philips Momentum gaming displays are purpose-built with low lag and lightning-fast pixel response as a priority and supports fast-paced, reaction time-sensitive games. The display also provides variable refresh rate (VRR) support for Xbox Series X to achieve a seamlessly smooth motion.

### VESA DisplayHDR 1000



VESA-certified DisplayHDR 1000 delivers a dramatically different visual experience vs. other 'HDR compatible' screens. Extreme deep blacks and bright whites contrast with brilliant colours to bring out details that you've never experienced before. Gamers can spot enemies hiding in the dark corners and shadows easily and movie viewers can enjoy a more compelling and lifelike show. This Philips Momentum comes with several HDR modes, each optimised for your usage scenarios: HDR Game, HDR Movie and HDR Photo.

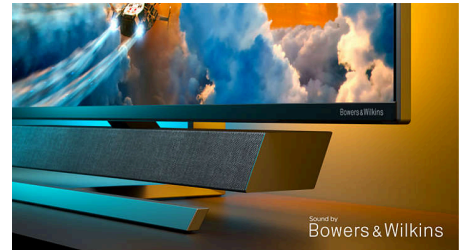
### AMD FreeSync™ Premium



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.

### Bowers & Wilkins speakers



A new standard for gaming audio: covered by an acoustically transparent wool-blend Kvadrat material, the integrated speaker system by legendary speaker experts Bowers & Wilkins delivers an epic sound experience. With an integrated woofer, high-quality midrange drivers and tweeters, you can feel the action around you. This Philips Momentum display also offers True Sound audio modes specially tuned by Bowers & Wilkins: simply select an audio mode to optimise your gaming, viewing or listening experience.

### Ambiglow



The innovative Ambiglow technology enhances the content on the screen by creating a halo of light from the monitor. Its fast processor analyses the incoming image content, continuously adapts the colour and brightness of the emitted light to match the image. Especially suited for watching movies, sports or playing games, Philips Ambiglow offers you a unique and immersive viewing experience.



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## Highlights

### LowBlue Mode and Flicker-free

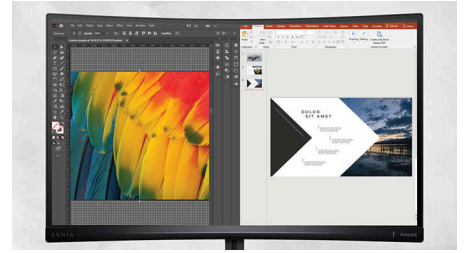


Our LowBlue Mode and Flicker-free technology have been developed to reduce eye strain and fatigue often caused by long hours in front of a monitor.

### USB-C

This Philips display features a USB type-C connector with power delivery. With intelligent and flexible power management, you can power charge your compatible device directly. Its slim, reversible USB-C allows for easy, one-cable connection. You can watch high-resolution video while powering up and re-charging your compatible device at the same time.

### 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 multitasking.





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## Specifications

### Picture/Display

**Panel Size:** 55 inch/139.7 cm

**Aspect ratio:** 16:9

**LCD panel type:** VA LCD

**Backlight type:** W-LED system

**Pixel pitch:** 0.315 x 0.315 mm

**Brightness:** Normal Mode: 750 cd/m<sup>2</sup>; HDR Mode: 1200 cd/m<sup>2</sup>

**Display colours:** Colour support 1.07 billion colours

**Colour gamut (typical):** NTSC 104%\*, sRGB 125%\*

**Colour gamut (min.):** DCI-P3 Coverage: 95%\*

**Contrast ratio (typical):** 4000:1

**SmartContrast:** Mega Infinity DCR

**Response time (typical):** 4 ms (Grey to Grey)

**Viewing angle:** 178° (H)/178° (V), @ C/R > 10

**Picture enhancement:** SmartImage game

**Maximum resolution:** HDMI/DP: 3840 x

2160 @ 144 Hz\*; USB-C: 3840 x 2160 @ 120 Hz

**Effective viewing area:** 1209.6 (H) x 680.4 (V) mm

**Scanning Frequency:** HDMI: 30 - 135 kHz (H)/48 -

144 Hz (V); DP: 30 - 254 kHz (H)/48 - 144 Hz (V);

USB C: 30 - 254 kHz (H)/48 - 120 Hz (V)

**sRGB**

**Delta E:** < 2 (sRGB)

**Flicker-free**

**Pixel Density:** 80 PPI

**LowBlue Mode**

**SmartUniformity:** 93 ~ 105%

**Low Input Lag**

**Adaptive sync**

**AMD FreeSync™ technology:** Premium

**HDR:** DisplayHDR 1000 certified

**Ambiglow:** 3 sided

**HDMI 2.1 Feature:** VRR

### Connectivity

**Signal Input:** HDMI 2.1 x 3, DP 1.4 x 1, USB-C x 1 (DP Alt mode, PD 65 W)

**Sync Input:** Separate Sync

**Audio (In/Out):** Audio out

**EasyLink (HDMI-CEC):** Remote control pass-through, System audio control, System standby

**USB::** USB-B x 1 (upstream), USB 3.2 x 4 (downstream with 2 fast charge B.C 1.2)

### Convenience

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

**User convenience:** Power On/Off, Menu/OK,

Input/Up, Sound Mode/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 (200 x 200 mm)

**MultiView:** PBP (2 x devices)

### Sound

**Output Power:** 40 W (RMS), 2.1 Channel, Sound by Bowers & Wilkins

**Sound Enhancement:** DTS Sound

**Speaker Configuration:** 2 x tweeters, 10 W x 2 mid-high speakers, 20 W x 1 woofer

### Stand

**Tilt:** -5/10 degree

### Power

**Power supply:** Internal, 100–240 VAC, 50–60 Hz

**Off mode:** 0.3 W (typ.)

**On mode:** 95.3 W (typ.)

**Standby mode:** 0.5 W (typ.)

**Power LED indicator:** Operation - N.A., Off - Red, Standby - Red (breathing)

**Energy Label Class:** G

### Dimensions

**Packaging in mm (W x H x D):** 1390 x 990 x 376 mm

**Product without stand (mm):** 1232 x 715 x 102 mm

**Product with stand (max height):** 1232 x 834 x 308 mm

### Weight

**Product with packaging (kg):** 38.18 kg

**Product with stand (kg):** 29.50 kg

**Product without stand (kg):** 25.70 kg

### Operating conditions

**Altitude:** Operation: +12,000 ft (3658 m), Non-operation: +40,000 ft (12,192 m)

**Temperature range (operation):** 0°C to 40°C °C

**MTBF:** 50 000 (Excluded backlight) hour(s)

**Relative humidity:** 20%-80 %

**Temperature range (storage):** -20°C to 60°C °C

### Sustainability

**Environmental and energy:** RoHS, Mercury Free

**Recyclable packaging material:** 100 %

### Compliance and standards

**Regulatory Approvals:** CB, CE Mark, TUV/ISO9241-307, TUV-BAUART, CU-EAC, EAEU RoHS, CCC, CEC, CEL

### Cabinet

**Colour:** Black

**Finish:** Textured/Glossy

### What's in the box?

**Cables:** DP cable, HDMI cable, USB-C to C cable, Power cable

**Monitor with stand**

**User Documentation**

**Accessory:** Remote control



\* BT. 709 / DCI-P3 Coverage based on CIE1976

\* NTSC Area based on CIE 1976

\* sRGB Area based on CIE1931

\* 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

\* For USB-C power and charging function, your Notebook/device must support USB-C standard Power Delivery specifications. Please check with your Notebook user manual or manufacturer for more details.

\* For Video transmission via USB-C, your Notebook/device must support USB-C DP Alt mode

\* The monitor may look different from feature images.