



4K HDR display with Ambiglow

- Designed for Xbox
- Momentum
- 55" (139.7 cm)
- 3840 x 2160 (4K UHD)

559M1RYV/89

Optimized 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.

Benefits

Designed for Xbox

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

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

Features for gamers needs

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

Design for immersive entertainment



PHILIPS

Monitor

Features

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 you plug it in.

4K / 120Hz Console gaming



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

4K / 144Hz PC gaming



PC gamers who demand a true 4K gaming experience with the fastest refresh rate of 144Hz 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 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 colors, 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

optimized 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 optimize 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 color 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.

LowBlue Mode & Flicker-free



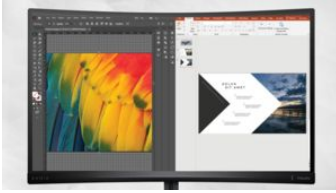
Our LowBlue Mode and Flicker-free technology have been developed to reduce eye strain and fatigue often caused by long hours in front of a monitor.

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 multi-tasking.

Specifications

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Picture/Display

LCD panel type	VA LCD
Backlight type	W-LED system
Panel Size	55 inch / 139.7 cm
Color gamut (min.)	DCI-P3 Coverage: 95%*
Color gamut (typical)	NTSC 104%*, sRGB 125%*
HDR	DisplayHDR 1000 certified
Effective viewing area	1209.6 (H) x 680.4 (V) mm
Aspect ratio	16:9
Maximum resolution	HDMI / DP: 3840 x 2160 @ 144 Hz*; USB-C: 3840 x 2160 @ 120 Hz
Pixel Density	80 PPI
Response time (typical)	4 ms (Gray to Gray)
Low Input Lag	Yes
Brightness	Normal Mode: 750 cd/m ² ; HDR Mode: 1200 cd/m ²
SmartContrast	Mega Infinity DCR
Contrast ratio (typical)	4000:1
Pixel pitch	0.315 x 0.315 mm
Viewing angle	178° (H) / 178° (V) @ C/R > 10
Picture enhancement	SmartImage game
Display colors	Color support 1.07 billion colors
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)
SmartUniformity	93 ~ 105%
Delta E	< 2 (sRGB)
sRGB	Yes
Flicker-free	Yes
LowBlue Mode	Yes
Ambiglow	3-sided
Adaptive sync	Yes
HDMI 2.1 Feature	VRR
AMD FreeSync™ technology	Premium

Connectivity

Signal Input	HDMI 2.1 x 3, DP 1.4 x 1, USB-C x 1 (DP Alt mode, PD 65W)
USB:	USB-B x 1 (upstream), USB 3.2 x 4 (downstream with 2 fast charge B.C 1.2)
Sync Input	Separate Sync
Audio (In/Out)	Audio out
EasyLink (HDMI-CEC)	Remote control pass-through System audio control System standby

Convenience

MultiView	PBP (2x devices)
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 (200x200mm)
Plug & Play Compatibility	DDC/CI Mac OS X sRGB Windows 10 / 8.1 / 8 / 7
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	
On mode	95.3 W (typ.)
Standby mode	0.5 W (typ.)
Off mode	0.3 W (typ.)

Monitor

Power LED indicator	Operation - N.A. Off - Red Standby - Red (breathing)
Power supply	Internal 100-240VAC, 50-60Hz

Dimensions

Product with stand(max height)	1232 x 834 x 308 mm
Product without stand (mm)	1232 x 715 x 102 mm
Packaging in mm (WxHxD)	1390 x 990 x 376 mm

Weight

Product with stand (kg)	29.50 kg
Product without stand (kg)	25.70 kg
Product with packaging (kg)	38.18 kg

Operating conditions

Temperature range (operation)	0°C to 40°C °C
Temperature range (storage)	-20°C to 60°C °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	Mercury Free 100 %

Compliance and standards

Regulatory Approvals	CB CE Mark TUV/ISO9241-307 TUV-BAUART CU-EAC EAEU RoHS
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Cabinet

Color	Black
Finish	Textured / Glossy

What's in the box?

Accessory	Remote control
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* BT, 709 / DCI-P3 Coverage based on CIE1976

* NTSC Area based on CIE1976

* 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.



data subject to change
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