



Philips Momentum  
4K HDR display with  
Ambiglow

### Designed for Xbox

Momentum  
32 (31.5" / 80 cm diag.)  
3840 x 2160 (4K UHD)



329M1RV

## Optimized performance for next-gen console gaming

For true console gaming enthusiasts, the Designed for Xbox Momentum display delivers a new era of gaming. UltraClear 4K UHD with DisplayHDR 400 offers ultra-crisp and vibrant image quality to get you in the moment.

### 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
- AMD FreeSync™ Premium; tear free, stutter free, fluid gaming
- SmartImage HDR gives optimal viewing from your HDR content

### Design to enhance the senses

- Enhanced audio with DTS Sound™
- Ambiglow adds a new dimension to your viewing experience

### Features for gamers needs

- 1ms (MPRT) fast response for crisp image and smooth gameplay
- LowBlue mode and Flicker-free easy-on-the eyes viewing
- USB-C one cable does it all
- MultiView enables simultaneous dual connect and view



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# PHILIPS

4K HDR display with Ambiglow  
Designed for Xbox Momentum, 32 (31.5" / 80 cm diag.), 3840 x 2160 (4K UHD)

329M1RV/89

# 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 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 lighting 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.

## 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.

## 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.

## DTS Sound™



DTS Sound is an audio processing solution designed to optimize the playback of music, movies, streaming and games on the PC regardless of form factors. DTS Sound enables an immersive virtual surround sound experience, complete with rich bass and dialog enhancement and maximized volume levels free of any clipping or distortion.

## 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.



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## Red Dot

Red Dot stands for belonging to the best in design and business

This gaming monitor scores with the striking base, which radiates a solid presence and thereby underlines the quality of the monitor.



# Specifications

## Picture/Display

- LCD panel type: IPS technology
- Backlight type: W-LED system
- Panel Size: 31.5 inch / 80 cm
- Display Screen Coating: Anti-Glare, 3H, Haze 25%
- Effective viewing area: 697.344 (H) x 392.2344 (V) mm
- Aspect ratio: 16:9
- Maximum resolution: HDMI/DP: 3840 x 2160 @ 144 Hz\*; USB-C: 3840 x 2160 @ 120 Hz
- Pixel Density: 139.87 PPI
- Response time (typical): 1 ms (Gray to Gray)\*
- MPRT: 1 ms
- Low Input Lag
- Brightness: 500 cd/m<sup>2</sup>
- SmartContrast: Mega Infinity DCR
- Contrast ratio (typical): 1000:1
- Pixel pitch: 0.181 x 0.181 mm
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- Flicker-free
- HDR: DisplayHDR 400 certified
- Color gamut (typical): NTSC 113%\*, sRGB 124%\*, Adobe RGB 111%\*
- 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)
- LowBlue Mode
- SmartUniformity: 93 ~ 105%
- Delta E: <2 (sRGB)
- sRGB
- Ambiglow: 4-sided
- AMD FreeSync™ technology: Premium
- HDMI 2.1 Feature: VRR, FRL

## Connectivity

- Signal Input: HDMI 2.1 x 3, DisplayPort 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

## Convenience

- Built-in Speakers: 5 W x 2, DTS Sound
- MultiView: PBP (2x devices)
- 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: 130 mm
- Swivel: -/+ 20 degree
- Tilt: -5/15 degree

## Power

- On mode: 58.9 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): 715 x 596 x 297 mm
- Product without stand (mm): 715 x 428 x 78 mm
- Packaging in mm (WxHxD): 800 x 526 x 224 mm

## Weight

- Product with stand (kg): 11.63 kg
- Product without stand (kg): 7.80 kg
- Product with packaging (kg): 16.67 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, Mercury Free
- Recyclable packaging material: 100 %

## Compliance and standards

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

## Cabinet

- Color: Black
- Finish: Textured / Glossy



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- \* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.
- \* 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
- \* 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.