



Philips Momentum  
4K HDR display with  
Ambiglow

### Momentum

55" (139.7 cm)  
3840 x 2160 (4K UHD)



558M1RY

## Take console gaming to the next level

This Momentum display boasts sound by legendary audio experts Bowers & Wilkins, creates a new-level console gaming. Get immersed in the performance of this beautiful large display. Enjoy gaming awesomeness with optimal sound and visuals.

#### Immersive next-level sound by Bowers & Wilkins

- Integrated woofer, mid-high, and tweeters for majestic sound
- Covered with a premium speaker fabric created by Kvadrat

#### Design to enhance the senses

- Ambiglow intensifies entertainment with halo of light

#### Expand your viewing experience

- SmartImage HDR gives optimal viewing from your HDR content
- UltraClear 4K UHD (3840x2160) resolution for precision

#### Features designed for gamers needs

- Less eye fatigue with Flicker-free technology
- Low input lag reduces time delay between devices to monitor
- MultiView enables simultaneous dual connect and view

# PHILIPS

4K HDR display with Ambiglow  
Momentum 55" (139.7 cm), 3840 x 2160 (4K UHD)

# Highlights

## Sound by Bowers & Wilkins

Six sound modes to optimize your gaming, viewing or listening experience. Sport & Racing: Create a realistic, being-there experience when enjoying sports or racing games. RPG and Adventure: Immerse yourself in spacious and atmospheric sound. Shooting and Action: Experience punchy, impactful sound for maximum excitement and realism. Movie Watching: Enhance movie soundtracks for an immersive, cinematic listening experience. Music: True Sound by Bowers & Wilkins, delivering the performance as the artist intended. Personal: Access the EQ menu to adjust the sound to your specific requirements.

## Kvadrat speaker fabric

Sound this perfect should be heard with no obstructions. The soundbar on this Philips display is covered with a premium speaker fabric created by high-end manufacturer Kvadrat. This beautiful wool-blend material is acoustically transparent, allowing every scintillating detail to flow freely from the speaker into the room.

## Ambiglow

Ambiglow adds a new dimension to your viewing experience. 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 and 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.

## 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 specification for VESA DisplayHDR grade.

## UltraClear 4K UHD Resolution



These Philips displays utilize high performance panels to deliver UltraClear, 4K UHD (3840 x 2160) resolution images. Whether you are demanding professional requiring extremely detailed images for CAD solutions, using 3D graphics applications or a financial wizard working on huge spreadsheets, Philips displays will make your images and graphics come alive.

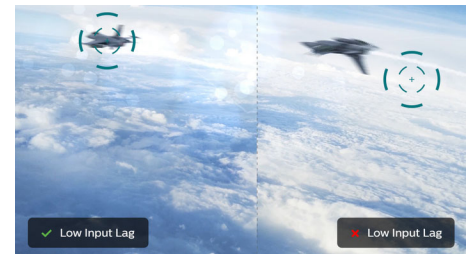
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## Flicker-free technology



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.

## 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.

## 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

- 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
- Optimum resolution: HDMI: 3840 x 2160 @ 60 Hz, 2560 x 1440 @ 120 Hz; DP: 3840 x 2160 @ 120 Hz
- Pixel Density: 80 PPI
- Response time (typical): 4 ms (Gray to Gray)
- Low Input Lag
- Brightness: Normal Mode: 750 cd/m<sup>2</sup>; HDR Mode: 1200 cd/m<sup>2</sup>
- 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 - 160 kHz (H) / 40 - 60 Hz (V); DP: 30 - 270 kHz (H) / 48 - 120 Hz (V)
- SmartUniformity: 95 ~ 103%
- Delta E: < 2 (sRGB)
- sRGB
- Flicker-free
- LowBlue Mode
- Ambiglow: 3-sided
- Adaptive sync

## Connectivity

- Signal Input: DisplayPort 1.4 x 1, HDMI 2.0 x 3
- 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): Headphone out

## Convenience

- MultiView: PIP/PBP mode, 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: 122.96 W (typ.)
- Standby mode: 0.5 W (typ.)
- Off mode: 0.3 W (typ.)
- 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): 26.5 kg
- Product without stand (kg): 22.7 kg
- Product with packaging (kg): 34.31 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, Lead-free, Mercury Free
- Recyclable packaging material: 100 %

## Compliance and standards

- Regulatory Approvals: CB, CE Mark, TUV/ISO9241-307, TUV-BAUART, CU-EAC, UKRAINIAN, CCC, CECP, CEL

## Cabinet

- Color: Black
- Finish: Textured / Glossy

## What's in the box?

- Monitor with stand
- Cables: DP cable, HDMI cable, USB upstream cable, Power cable
- User Documentation
- Accessory: Remote control



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Version: 3.4.1

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\* Response time value equal to SmartResponse  
\* BT, 709 / DCI-P3 Coverage based on CIE1976  
\* NTSC Area based on CIE1976  
\* sRGB Area based on CIE 1931  
\* The monitor may look different from feature images.