**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 a halo of light

**Expand your viewing experience**
- SmartImage HDR gives optimal viewing from your HDR content
- UltraClear 4K UHD (3840 x 2160) resolution for precision
- AMD FreeSync™ Premium Pro; smooth, low latency HDR gaming
- 120 Hz refresh rates for ultra-smooth, brilliant images

**Features designed for gamers' needs**
- Low input lag reduces time delay between devices to monitor
- Less eye fatigue with Flicker-Free technology
- MultiView enables simultaneous dual connection and view
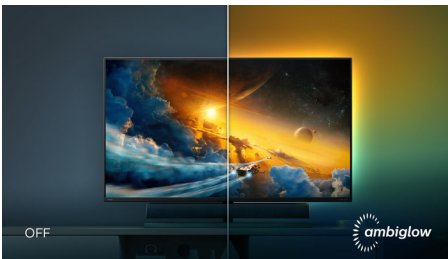
**PHILIPS**

# Highlights

### Sound by Bowers & Wilkins

Six sound modes to optimise your gaming, viewing or listening experience. Sport and Racing: create a realistic, being-there experience when enjoying sports or racing games. RPG and Adventure: immersive 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 technology



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 colour and brightness of the
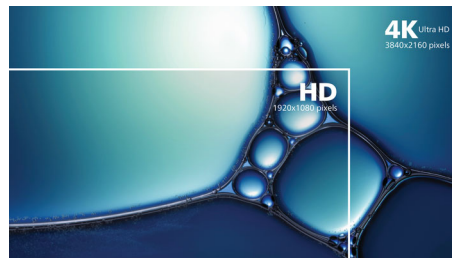
emitted light to match the image. Especially suited for watching movies, sports or playing games, Philips Ambiglow offers you a unique and immersive viewing experience.

### SmartImage HDR



Select one of SmartImage HDR modes to best suit your needs. HDR Game: optimised for playing video games. With brighter white and darker black, the gaming scene is vivid and reveals more details, easily spot enemies hiding in the dark corners and shadows. HDR Movie: ideal for watching HDR movie. Delivers better contrast and brightness for a more realistic and immersive viewing experience. HDR Photo: enhanced red, green and blue for lively visuals. DisplayHDR: VESA DisplayHDR certified*. Personal: customised settings in picture menu. *Please refer to specification for HDR grade.

### UltraClear 4K UHD Resolution



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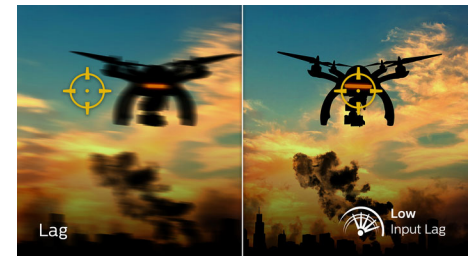
working on huge spreadsheets, Philips displays will make your images and graphics come alive.

### 120 Hz Gaming



You play intense, competitive games. You demand a display with lag-free, ultra-smooth images. This Philips display redraws the screen image up to 120 times per second, effectively 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 120 Hz frame rate, you get those critical missing images on the screen, showing 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.

### 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 improving play on twitch-sensitive video games, particularly important for playing fast-paced, competitive games.

# Specifications

## Picture/Display
- LCD panel type: VA LCD
- Backlight type: W-LED system
- Panel Size: 55 inch/139.7 cm
- Colour gamut (min.): DCI-P3 Coverage: 95%*
- Colour 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 (Grey to Grey)
- Low Input Lag
- Brightness: Normal Mode: 750 cd/m2; HDR Mode: 1200 cd/m²
- 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 colours: Colour support 1.07 billion colours
- 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
- AMD FreeSync™ technology: Premium Pro

## 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, 2 x 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 (200 x 200 mm)
- Plug and 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.)
- Energy Label Class: G
- Power LED indicator: Operation - N.A., Off - Red, Standby - Red (breathing)
- Power supply: Internal, 100–240 VAC, 50–60 Hz

## 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 (W x H x D): 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: +12,000 ft (3658 m), Non-operation: +40,000 ft (12,192 m)
- MTBF: 50 000 (Excluded backlight) hour(s)

## Sustainability
- Environmental and energy: RoHS, Mercury Free
- Recyclable packaging material: 100 %

## Compliance and standards
- Regulatory Approvals: CB, CE Mark, TUV/ISO9241-307, TUV-BAUART, UKRAINIAN, CU-EAC, EAEU RoHS, CCC, CECP, CEL

## Cabinet
- Colour: Black
- Finish: Textured/Glossy

## What's in the box?
- Monitor with stand
- Cables: DP cable, HDMI cable, Power cable
- User Documentation
- Accessory: Remote control

* Response time value equal to SmartResponse
* 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.
* BT. 709 / DCI-P3 Coverage based on CIE1976
* NTSC Area based on CIE 1976
* sRGB Area based on CIE1931
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* The monitor may look different from feature images.