



Philips Momentum
LCD monitor with
Ambiglow

Momentum

27" (68.6 cm)
3840 x 2160 (4K UHD)



278M1R

Take gaming to the next level

Step it up with a Momentum 4K UHD gaming monitor with Ambiglow. Low Input lag offers smooth gaming. HDR gives ultra-crisp and vibrant image quality to get you in the moment.

Design to enhance the senses

- Ambiglow intensifies entertainment with a halo of light
- Enhanced audio with DTS Sound™

Expand your viewing experience

- UltraClear 4K UHD (3840 x 2160) resolution for precision
- SmartImage HDR gives optimal viewing from your HDR content

Features designed for gamers' needs

- SmartImage game mode optimised for gamers
- Low input lag reduces time delay between devices to monitor
- Less eye fatigue with Flicker-Free technology
- Tilt, swivel and height-adjust for an ideal viewing position



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PHILIPS

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Highlights

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 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.

DTS Sound™

DTS Sound is an audio-processing solution designed to optimise 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 dialogue enhancement and maximised volume levels free of any clipping or distortion.

UltraClear 4K UHD Resolution



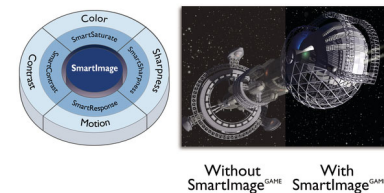
These Philips displays utilise high-performance panels to deliver UltraClear, 4K UHD (3840 x 2160) resolution images. Whether you are a demanding professional requiring extremely detailed images for CAD solutions, a user of 3D graphics applications or a financial wizard working on huge spreadsheets,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

SmartImage HDR

Select one of SmartImage HDR modes to best suit your needs. HDR Game: optimise for playing video games. With brighter white and darker black, the gaming scene is vivid and reveals more details so you can easily spot enemies hiding in dark corners and shadows. HDR Movie: ideal for watching HDR movies. Delivers better contrast and brightness for a more realistic and immerse viewing

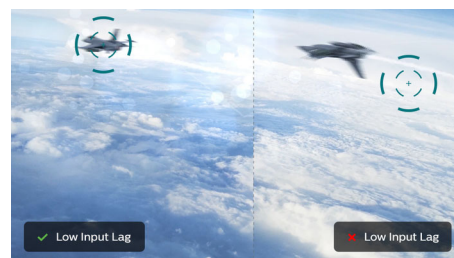
experience. HDR Photo: enhances red, green and blue for lively visuals. DisplayHDR: VESA DisplayHDR certified*. Personal: customise settings in the picture menu. *Please refer to specification for VESA DisplayHDR grade.

SmartImage Game mode



The new Philips gaming display has quick-access OSD fine-tuned for gamers, offering you multiple options. "FPS" mode (First person shooting) improves dark themes in games, allowing you to see hidden objects in dark areas. "Racing" mode adapts the display with the fastest response time and high colour, along with image adjustments. "RTS" mode (Real-time strategy) has a special SmartFrame mode that enables highlighting of specific area and allows for size and image adjustments. Gamer 1 and Gamer 2 enable you to save personal customised settings based on different games, ensuring best performance.

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.

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.

Compact Ergo Base

The Compact Ergo Base is a people-friendly Philips monitor base that tilts, swivels and height-adjusts so each user can position the monitor for maximum viewing comfort and efficiency.



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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: 27 inch/68.6 cm
- Display Screen Coating: Anti-Glare, 3H, Haze 25%
- Effective viewing area: 596.736 (H) x 335.664 (V) mm
- Aspect ratio: 16:9
- Maximum resolution: 3840 x 2160 @ 60 Hz*
- Pixel Density: 163 PPI
- Response time (typical): 4 ms (Grey to Grey)*
- Low Input Lag
- Brightness: 350 cd/m²
- SmartContrast: Mega Infinity DCR
- Contrast ratio (typical): 1000:1
- Pixel pitch: 0.1554 x 0.1554 mm
- Viewing angle: 178° (H)/178° (V), @ C/R > 10
- Flicker-free
- HDR: HDR ready
- Colour gamut (typical): NTSC 91%*, sRGB 105%*, Adobe RGB: 89%*
- Picture enhancement: SmartImage game
- Display colours: 1.07 Billion (8 bits + FRC)
- Scanning Frequency: 30–140 kHz (H) / 23–75 Hz (V)
- SmartUniformity: 93 ~ 105%
- Delta E: < 2 (for sRGB)
- LowBlue Mode
- sRGB
- Ambiglow: 4 sided

Connectivity

- Signal Input: HDMI 2.0 x 2, DisplayPort x 1
- 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

- Built-in Speakers: 5 W x 2, DTS Sound
- 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 (100 x 100 mm)
- Plug and Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 10 / 8.1 / 8 / 7

Stand

- Height adjustment: 130 mm
- Swivel: -/+ 33 degree
- Tilt: -5/20 degree

Power

- On mode: 35.1 W (typ.)
- Standby mode: < 0.5 W (typ.)
- Off mode: < 0.3 W (typ.)
- Energy Label Class: B
- Power LED indicator: Operation - White, Standby mode - White (flashing)
- Power supply: External, 100–240 VAC, 50–60 Hz

Dimensions

- Product with stand (max height): 614 x 567 x 251 mm
- Product without stand (mm): 614 x 370 x 75 mm
- Packaging in mm (W x H x D): 730 x 475 x 224 mm

Weight

- Product with stand (kg): 6.74 kg
- Product without stand (kg): 4.53 kg
- Product with packaging (kg): 9.22 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, 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, CEL, CECP

Cabinet

- Colour: Black
- Finish: Textured/Glossy

What's in the box?

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



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Version: 7.1.3

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EAN: 87 12581 76672 6

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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.
* Response time value equal to SmartResponse
* NTSC Area based on CIE 1976
* sRGB Area based on CIE 1931
* Adobe RGB Coverage based on CIE 1976
* The monitor may look different from feature images.