Philips Gaming Monitor 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.

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

Design to enhance the senses
- Ambiglow intensifies entertainment with halo of light

Immersive next-level sound by Bowers & Wilkins
- Covered with a premium speaker fabric created by Kvadrat
- Integrated woofer, mid-high, and tweeters for majestic sound

Expand your viewing experience
- UltraClear 4K UHD (3840x2160) resolution for precision
- SmartImage HDR gives optimal viewing from your HDR content
- 120Hz refresh rates for ultra-smooth, brilliant images
- AMD FreeSync™ Premium Pro; smooth, low latency HDR gaming

PHILIPS

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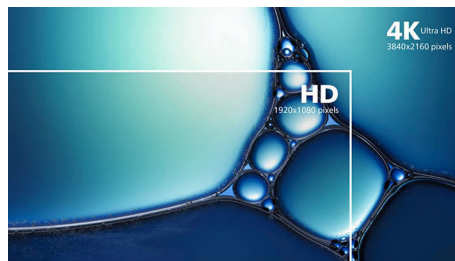
image. Especially suited for watching movies, sports or playing games, Philips Ambiglow offers you a unique and immersive viewing experience.

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 to specification for HDR 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.

AMD FreeSync™ Premium Pro

Gaming shouldn't be a choice between choppy gameplay or broken frames. AMD FreeSync™ Premium Pro provides the true HDR gaming experience: a combination of smooth gaming at peak performance, and exceptional high dynamic range visuals while still maintaining low latency.

120Hz Gaming

You play intense, competitive gaming. You demand 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 120Hz frame rate, you get those critical missing images on the screen which shows 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.

4K Ultra HD | **FreeSync** Premium Pro | **120Hz** | Low Input Lag | Flicker-free | Multiview | Channel 2.1 Sound | Flicker-free | **DisplayHDR** 1000 | LowBlue Mode

Specifications

Connectivity
- Signal Input: DisplayPort 1.4 x 1, HDMI 2.0 x 3
- Sync Input: Separate Sync
- Audio (In/Out): Headphone out
- USB:: USB-B x 1 (upstream), USB 3.2 x 4 (downstream with 2 fast charge B.C 1.2)

Picture/Display
- Panel Size: 55 inch / 139.7 cm
- Aspect ratio: 16:9
- LCD panel type: VA LCD
- Backlight type: W-LED system
- Pixel pitch: 0.315 x 0.315 mm
- Optimum resolution: HDMI: 3840 x 2160 @ 60 Hz, 2560 x 1440 @ 120 Hz; DP: 3840 x 2160 @ 120 Hz
- Brightness: Normal Mode: 750 cd/m2; HDR Mode: 1200 cd/m²
- Display colors: Color support 1.07 billion colors
- Color gamut (typical): NTSC 104%*, sRGB 125%*
- Color gamut (min.): DCI-P3 Coverage: 95%*
- Contrast ratio (typical): 4000:1
- SmartContrast: Mega Infinity DCR
- Response time (typical): 4 ms (Gray to Gray)
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- Picture enhancement: SmartImage game
- Effective viewing area: 1209.6 (H) x 680.4 (V) mm
- Scanning Frequency: HDMI: 30 - 160 kHz (H) / 40 - 60 Hz (V); DP: 30 - 270 kHz (H) / 48 - 120 Hz (V)
- sRGB
- Delta E: < 2 (sRGB)
- Flicker-free
- Pixel Density: 80 PPI
- LowBlue Mode
- SmartUniformity: 95 ~ 103%
- Low Input Lag
- AMD FreeSync™ technology: Premium Pro
- HDR: DisplayHDR 1000 certified
- Ambiglow: 3-sided

Convenience
- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 10 / 8.1 / 8 / 7
- 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)
- MultiView: PIP/PBP mode, 2x devices

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
- Power supply: Internal, 100-240VAC, 50-60Hz
- Off mode: 0.3 W (typ.)
- On mode: 122.96 W (typ.)
- Standby mode: 0.5 W (typ.)
- Power LED indicator: Operation - N.A., Off - Red, Standby - Red (breathing)

Dimensions
- Packaging in mm (WxHxD): 1390 x 990 x 376 mm
- Product without stand (mm): 1232 x 715 x 102 mm
- Packaging in inch (WxHxD): 54.7 x 39.0 x 14.8 inch
- Product without stand in inch: 48.5 x 28.1 x 4.0 inch
- Product with stand(max height): 1232 x 834 x 308 mm
- Product with stand(max height): 48.5 x 32.8 x 12.1 inch

Weight
- Product with packaging (kg): 34.31 kg
- Product with stand (kg): 26.5 kg
- Product with packaging (lb): 75.48 lb
- Product with stand (lb): 58.3 lb
- Product without stand (kg): 22.7 kg
- Product without stand (lb): 49.94 lb

Operating conditions
- Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- Temperature range (operation): 0°C to 40°C °C
- MTBF: 50,000 (Excluded backlight) hour(s)
- Relative humidity: 20%-80 %
- Temperature range (storage): -20°C to 60°C °C

Sustainability
- Environmental and energy: RoHS
- Recyclable packaging material: 100 %
- Specific Substances: Mercury free, PVC / BFR free housing

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

Cabinet
- Color: Black
- Finish: Textured / Glossy

What's in the box?
- Cables: DP cable, HDMI cable, USB upstream cable, Power cable
- Monitor with stand
- 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 CIE1976
* sRGB Area based on CIE1931
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* The monitor may look different from feature images.