



Philips Momentum  
LCD monitor with  
Ambiglow

### Momentum

32 (31.5" / 80 cm diag.)  
2560 x 1440 (QHD)



325M1RZ

## Take console gaming to the next level

Get in the moment with this Momentum QHD gaming monitor with immersive Ambiglow. Low input lag and 165Hz fast refresh rate offer smooth gaming. DisplayHDR 400 gives ultra-crisp and vibrant image quality to get you in the moment.

#### Design to enhance the senses

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

#### Built for fast action

- 165Hz refresh rates for ultra-smooth, brilliant images
- 1ms (MPRT) fast response for crisp image and smooth gameplay
- Low input lag reduces time delay between devices to monitor

#### Expand your viewing experience

- VA display delivers awesome images with wide viewing angles
- Crystalclear images with Quad HD 2560 x 1440 pixels
- SmartImage HDR gives optimal viewing from your HDR content

#### Features designed for gamers needs

- Less eye fatigue with Flicker-free technology
- Tilt, swivel and height-adjust for an ideal viewing position



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# PHILIPS

LCD monitor with Ambiglow  
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# Highlights

## Ambiglow

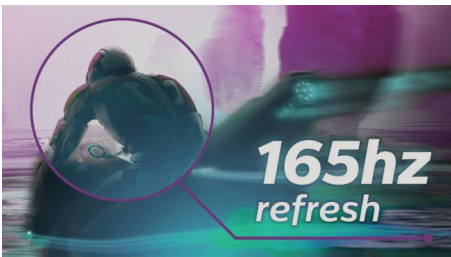
Ambiglow adds a new dimension to your viewing experience. The innovative Ambiglow technology enhances the content on the screen by creating a halo of light from the monitor. Its fast processor analyses the incoming image content and continuously adapts the color and brightness of the emitted light to match the image. Especially suited for watching movies, sports or playing games, Philips Ambiglow offers you a unique and immersive viewing experience.

## 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.

## 165Hz Gaming



You play intense, competitive gaming. You demand display with lag free, ultra-smooth images. This Philips display redraws the screen

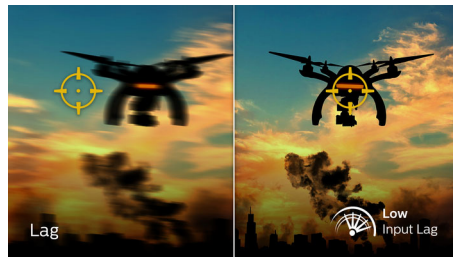
image up-to 165 times per second, effectively faster than a standard display. A lower frame rate can make enemies appear to jump from spot to spot on the screen, making them difficult targets to hit. With 165Hz frame rate, you get those critical missing images on the screen which shows enemy movement 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

## 1ms MPRT fast response



MPRT (motion picture response time) is more intuitive way to describe the response time, which directly refers the duration from seeing blurry noise to clean and crisp images. Philips gaming monitor with 1 ms MPRT effectively eliminates smearing and motion blur, delivers shaper and precise visuals to enhance gaming experience. Best choice for playing thrilling and twitch-sensitive games.

## 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

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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.

## VA display



Philips VA LED display uses an advanced multi-domain vertical alignment technology which gives you super-high static contrast ratios for extra vivid and bright images. While standard office applications are handled with ease, it is especially suitable for photos, web-browsing, movies, gaming, and demanding graphical applications. It's optimized pixel management technology gives you 178/178 degree extra wide viewing angle, resulting in crisp images.



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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: VA LCD
- Backlight type: W-LED system
- Panel Size: 31.5 inch / 80 cm
- Display Screen Coating: Anti-Glare, 3H, Haze 25%
- Effective viewing area: 697.344H) x 392.256 (V) mm
- Aspect ratio: 16:9
- Maximum resolution: HDMI: 2560 x 1440 @ 144 Hz\*; DP: 2560 x 1440 @ 165 Hz\*
- Pixel Density: 93 PPI
- Response time (typical): 4 ms (Gray to Gray)\*
- MPRT: 1 ms
- Low Input Lag
- Brightness: 550 cd/m<sup>2</sup>
- SmartContrast: Mega Infinity DCR
- Contrast ratio (typical): 3000:1
- Pixel pitch: 0.2724 x 0.2724 mm
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- Flicker-free
- HDR: DisplayHDR 400 certified
- Color gamut (typical): NTSC 100%\*, sRGB 120%\*, Adobe RGB 98%\*
- Picture enhancement: SmartImage game
- Display colors: 16.7 M
- Scanning Frequency: HDMI: 30 - 230 kHz (H) / 48 - 144 Hz (V); DP: 30 - 250 kHz (H) / 48 - 165 Hz (V)
- SmartUniformity: 93 ~ 105%
- Delta E: < 2 (for sRGB)
- LowBlue Mode
- sRGB
- Ambiglow: 4-sided
- Adaptive sync

## 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 (100x100mm)
- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 10 / 8.1 / 8 / 7

## Stand

- Height adjustment: 130 mm
- Swivel: +/- 35 degree
- Tilt: -5/20 degree

## Power

- On mode: 48.0 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): 714 x 584 x 252 mm
- Product without stand (mm): 714 x 427 x 78 mm
- Packaging in mm (WxHxD): 800 x 526 x 226 mm

## Weight

- Product with stand (kg): 10.00 kg
- Product without stand (kg): 7.00 kg
- Product with packaging (kg): 12.58 kg

## Operating conditions

- Temperature range (operation): 0°C to 40 °C
- Temperature range (storage): -20°C to 60 °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
- Recyclable packaging material: 100 %
- Specific Substances: Mercury free, PVC / BFR free housing

## Compliance and standards

- Regulatory Approvals: CCC, CECP, CEL, CB, CE Mark

## Cabinet

- Color: Black
- Finish: Textured / Glossy



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EAN: 87 12581 78480 5

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\* 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  
\* NTSC Area based on CIE1976  
\* sRGB Area based on CIE1931  
\* Adobe RGB Coverage based on CIE1976  
\* The monitor may look different from feature images.