Philips Gaming Monitor 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. LowInput lag and 165Hz fast refresh rate offer smooth gaming. DisplayHDR 400 gives ultra-crisp and vibrant image quality to get you in the moment.

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

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

Design to enhance the senses
- Ambiglow intensifies entertainment with halo of light
- Enhanced audio with DTS Sound™

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

PHILIPS

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 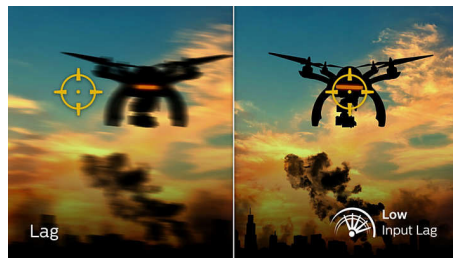image up-to 165 times per second, effectively faster than a standard display. A lower frame rate can make enemies appear to jump from spot to spot on the screen, making them difficult targets to hit. With 165Hz frame rate, you get those critical missing images on the screen which shows enemy movement 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 sc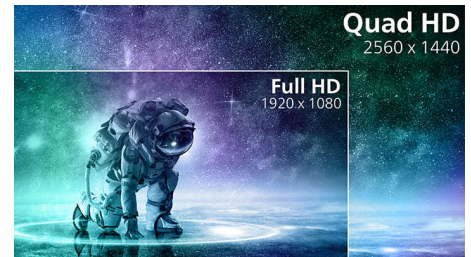reen. Low input lag reduces the time delay between entering a command from your devices to monitor, greatly improve on playing twitch-sensitive video games, particularly important to whom plays fast-paced, competitive games.

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.

Crystalclear images

These Philips screens deliver Crystalclear, Quad HD 2560x1440 or 2560x1080 pixel images. Utilizing high performance panels with high density pixel count, enabled by high bandwidth sources like USB-C, Displayport, HDMI, these new displays will make your images and graphics come alive. Whether you are demanding professional requiring extremely detailed information for CAD-CAM solutions, using 3D graphic applications or a financial wizard working on huge spreadsheets, Philips displays will give you Crystalclear images.

Specifications

Connectivity
- Signal Input: HDMI 2.0 x 2, DisplayPort x 1
- 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: 31.5 inch / 80 cm
- Aspect ratio: 16:9
- LCD panel type: VA LCD
- Backlight type: W-LED system
- Pixel pitch: 0.2724 x 0.2724 mm
- Brightness: 550 cd/m²
- Display colors: 16.7 M
- Color gamut (typical): NTSC 100%*, sRGB 120%*, Adobe RGB 98%*
- Contrast ratio (typical): 3000:1
- 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
- Maximum resolution: HDMI: 2560 x 1440 @ 144 Hz*; DP: 2560 x 1440 @ 165 Hz*
- Effective viewing area: 697.344H) x 392.256 (V) mm
- Scanning Frequency: HDMI: 30 - 230 kHz (H) / 48 - 144 Hz (V); DP: 30 - 250 kHz (H) / 48 - 165 Hz (V)
- sRGB
- Delta E: < 2 (for sRGB)
- Flicker-free
- Pixel Density: 93 PPI
- LowBlue Mode
- Display Screen Coating: Anti-Glare, 3H, Haze 25%
- SmartUniformity: 93 ~ 105%
- MPRT: 1 ms
- Low Input Lag
- Adaptive sync
- HDR: DisplayHDR 400 certified
- Ambiglow: 4-sided

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

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

Power
- Power supply: Internal, 100-240VAC, 50-60Hz
- Off mode: 0.3 W (typ.)
- On mode: 48.0 W (typ.)
- Standby mode: 0.5 W (typ.)
- Power LED indicator: Operation - White, Standby mode- White (blinking)

Dimensions
- Packaging in mm (WxHxD): 800 x 526 x 226 mm
- Product without stand (mm): 714 x 427 x 78 mm
- Product with stand(max height): 714 x 584 x 252 mm

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

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

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

* 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.