LCD monitor with Ambiglow

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

325M1RZ/89

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.

Benefits

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

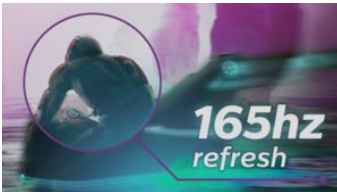**PHILIPS**

Gaming Monitor

Features

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.
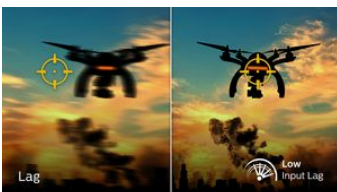
165Hz Gaming

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 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.
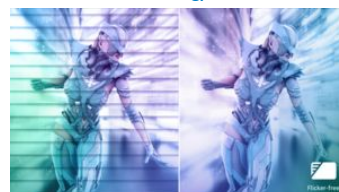
Crystalclear images

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.

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.

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.

Gaming Monitor

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.

Specifications

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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	Yes
Brightness	550 cd/m²
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	Yes
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	Yes
sRGB	Yes
Ambiglow	4-sided
Adaptive sync	Yes

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

* 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.

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