



Curved QHD LCD display with Ambiglow

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

328M6FJMB/01

Get in the moment

The new curved Momentum display with immersive Ambiglow lighting gets you in the moment. Fast action looks great on-screen with Quad HD resolution, AMD FreeSync and 144Hz fast refresh.

Benefits

Design to enhance the senses

- Curved display design for more immersive experience
- Ambiglow intensifies entertainment with halo of light

Superb Picture Quality

- Crystalclear images with Quad HD 2560 x 1440 pixels
- Ultra Wide-Color wider range of colors for a vivid picture
- MVA Display for wide viewing angles and deep contrast levels

Built for fast action

- Effortlessly smooth gameplay with AMD FreeSync™ technology
- 144Hz refresh rates for ultra-smooth, brilliant images
- SmartImage game mode optimized for gamers

Get comfortable

- Height adjustment for ideal sitting position
- LowBlue Mode for easy on-the-eyes productivity
- Less eye fatigue with Flicker-free technology

PHILIPS

Features

Curved display design



Desktop monitors offer a personal user experience, which suits a curve design very well. The curved screen provides a pleasant yet subtle immersion effect, which focuses on you at the center of your desk.

Ambiglow Technology



Ambiglow adds a new dimension to your viewing experience. The innovative Ambiglow technology enlarges the screen by creating an immersive halo of light. Its fast processor analyses the incoming image content and continuously adapts the color and brightness of the emitted light to match the image. User friendly options allow you to adjust the ambiance to your liking. Especially suited for watching movies, sports or playing games, Philips Ambiglow offers you a unique and immersive viewing experience.

Crystalclear images

These latest 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 Displayport, HDMI, Dual link DVI, 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.

Ultra Wide-Color Technology



Ultra Wide-Color Technology delivers a wider spectrum of colors for a more brilliant picture. Ultra Wide-Color wider "color gamut" produces more natural-looking greens, vivid reds and deeper blues. Bring, media entertainment, images, and even productivity more alive and vivid colors from Ultra Wide-Color Technology.

Ultra-smooth gaming



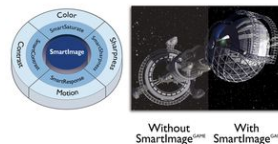
Gaming shouldn't be a choice between choppy gameplay or broken frames. With the new Philips monitor it doesn't have to be. Get fluid, artifact-free performance at virtually any framerate with AMD FreeSync™ technology, smooth quick refresh and ultra-fast response time.

144Hz Gaming



You play intense, competitive gaming. You demand display with lag free, ultra-smooth images. This Philips display redraws the screen image up-to 144 times per second, effectively 2.4x 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 144Hz 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

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 display with fastest response time, high color, along with image adjustments. "RTS" mode (Real time strategy) has a special SmartFrame mode which enables highlighting of specific area and allows for size and image adjustments. Gamer 1 and Gamer 2 enable you to save personal customized settings based on different games, ensuring best performance.

LowBlue Mode



Studies have shown that just as ultra-violet rays can cause eye damage, shortwave length blue light rays from LED displays can cause eye damage and affect vision over time. Developed for wellbeing, Philips LowBlue Mode setting uses a smart software technology to reduce harmful shortwave blue light.

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.

MVA Display Technology



Philips MVA 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.

Specifications

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Picture/Display

LCD panel type	MVA
Backlight type	W-LED system
Panel Size	31.5 inch / 80 cm
Effective viewing area	697.34 (H) x 392.26 (V) - at a 1800R curvature*
Aspect ratio	16:9
Optimum resolution	2560 x 1440 @ 144 Hz
Response time (typical)	4 ms (Gray to Gray)*
Pixel Density	93 PPI
Brightness	300 cd/m ²
Contrast ratio (typical)	3000:1
SmartContrast	50,000,000:1
Pixel pitch	0.272 x 0.272 mm
Viewing angle	178° (H) / 178° (V) @ C/R > 10
Flicker-free	Yes
Picture enhancement	SmartImage
Color gamut (typical)	NTSC 100%*, sRGB 120%*
Display colors	16.7 M
Scanning Frequency	30 - 230 kHz (H) / 48 - 144 Hz (V)
sRGB	Yes

Connectivity

Signal Input	VGA (Analog) DisplayPort 1.2 x 2 HDMI 1.4 x 1 HDMI 2.0 x 1
Sync Input	Separate Sync Sync on Green
Audio (In/Out)	Headphone out PC audio-in

Convenience

Built-in Speakers	5 W x 2
User convenience	Menu/OK Input/Up SmartImage Game/Return Power On/Off
Control software	SmartControl
OSD Languages	Brazil Portuguese Czech Dutch English Finnish French German Greek Hungarian Italian Japanese Korean Polish Portuguese Russian Simplified Chinese Spanish Swedish Traditional Chinese Turkish

Other convenience	Ukrainian FreeSync Ambiglow LowBlue Mode 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
Tilt	-5/20 degree

Power

On mode	44.10 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	External 100-240VAC, 50-60Hz

Dimensions

Product with stand (mm)	713 x 606 x 286 mm
Product without stand (mm)	713 x 427 x 52 mm
Packaging in mm (WxHxD)	831 x 607 x 396 mm

Weight

Product with stand (kg)	7.9 kg
Product without stand (kg)	6.1 kg
Product with packaging (kg)	12.2 kg

Operating conditions

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

Sustainability

Environmental and energy	RoHS Lead-free Mercury Free
Recyclable packaging material	100 %

Compliance and standards

Regulatory Approvals	CE Mark FCC Class B CU-EAC RCM WEEE
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Cabinet

Color	Black
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Finish	Glossy / Textured
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What's in the box?

Cables	Audio cable, Power cable
Monitor with stand	Yes
User Documentation	Yes

* This Philips display is capable of achieving upto 144Hz refresh rates thru its HDMI 2.0 and DisplayPort connector. Please ensure your graphics card is capable of 144Hz refresh rates and updated with the latest driver.

* For any questions related to 144Hz performance please refer to your card vendor directly.

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* Radius of the arc of the display curvature in mm

* Response time value equal to SmartResponse

* NTSC Area based on CIE1976

* sRGB Area based on CIE 1931



data subject to change
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