Philips Momentum
Curved QHD LCD display
with Ambiglow

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

328M6FJRMB

Get in the moment

Our new Momentum Quantum Dot LED monitor with HDR offers ultimate picture quality, in a sophisticated curved design for entertainment that moves you.

Design to enhance the senses
- Ambiglow intensifies entertainment with halo of light
- Curved display design for more immersive experience
- Crafted with premium materials for a sophisticated look

Superb Picture Quality
- Crystalclear images with Quad HD 2560 x 1440 pixels
- Quantum Dot Tech for see-it-to-believe-it color
- High Dynamic Range (HDR) for more lifelike colorful visuals

Built for fast action
- Effortlessly smooth gameplay with AMD FreeSync™ technology
- 144Hz refresh rates for ultra-smooth, brilliant images

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

PHILIPS

Highlights

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.

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.

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.

Quantum Dot color

Quantum Dot Technology is an innovative semiconductor nanocrystal technology that precisely emits light to produce bluer blues, greener greens and redder reds. LCD monitors with Quantum Dot color produce a more dynamic range of colors and show the true natural palette of colors in the picture. The result - vibrant, dynamic, you-gotta-see-it-to-believe-it color.

High Dynamic Range (HDR)

High Dynamic Range delivers a dramatically different visual experience. With astonishing brightness, incomparable contrast and captivating color, images come to life with much greater brightness while also featuring much deeper, more nuanced darks. It renders a fuller palette of rich new colors never before seen on display, giving you a visual experience that engages your senses and inspires emotions.

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

Ergonomic design
The Smart Ergo Base is a "people freindly" base that delivers screen rotation, swivel, tilt and height adjustment for improved ergonomics and intelligent cable management for a tidy workspace.

Specifications

Picture/Display
- LCD panel type: MVA
- Backlight type: W-LED system
- Panel Size: 31.5 inch / 80 cm
- Color gamut (typical): NTSC 103%*, sRGB 125%*
- 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/m²
- 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
- Picture enhancement: SmartImage game
- Display colors: 16.7 M
- Scanning Frequency: 30 - 230 kHz (H) / 48 - 144 Hz (V)
- sRGB
- HDR
- LowBlue Mode
- Quantum Dot
- FreeSync

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): PC audio-in, Headphone out

Convenience
- Built-in Speakers: 5 W x 2
- User convenience: Menu/OK, Input/Up, SmartImage Game/Return, SmartSize/Down, 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, Ukranian
- Other convenience: Ambiglow, 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: 66.4 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(max height): 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): 7.87 kg
- Product without stand (kg): 6.11 kg
- Product with packaging (kg): 12.16 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, CCC, WEEE

Cabinet
- Color: Black
- Finish: Glossy / Textured

What's in the box?
- Monitor with stand
- Cables: Audio cable, Power cable
- User Documentation

* 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.
* 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
* The monitor may look different from feature images.