



LCD monitor

- Momentum
- 24 (23.8" / 60.5 cm diag.)
- 1920 x 1080 (Full HD)

242M8/89

## Get in the moment

This Momentum monitor gets you in the moment. AMD FreeSync™ technology and 144Hz fast refresh rate give flawlessly smooth entertainment experience for playing games and watching movies. Scenes look more real with Ultra Wide-Color.

### Benefits

#### Built for fast action

- AMD FreeSync™ Premium; tear free, stutter free, fluid gaming
- 144Hz refresh rates for ultra-smooth, brilliant images
- SmartImage game mode optimized for gamers
- 1ms (MPRT) fast response for crisp image and smooth gameplay

#### Superb Picture Quality

- IPS LED wide view technology for image and color accuracy
- Ultra Wide-Color wider range of colors for a vivid picture

#### Features designed for you

- HDMI ensures universal digital connectivity
- DisplayPort connection for maximum visuals

#### Get comfortable

- LowBlue Mode for easy on-the-eyes productivity
- Less eye fatigue with Flicker-free technology
- Screen tilts to your ideal, individualized viewing angle

**PHILIPS**

# Gaming Monitor

## Features

### AMD FreeSync™ Premium



Gaming shouldn't be a choice between choppy gameplay or broken frames. AMD FreeSync™ Premium equips serious gamers with a fluid, tear-free gameplay experience at peak performance. There are no compromises, game confidently with a high refresh rate, low framerate compensation, and low latency.

### 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.

### 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 sharper and precise visuals to enhance gaming experience. Best choice for playing thrilling and twitch-sensitive games.

### IPS technology



IPS displays use an advanced technology which gives you extra wide viewing angles of 178/178 degree, making it possible to view the display from almost any angle. Unlike standard TN panels, IPS displays gives you remarkably crisp images with vivid colors, making it ideal not only for Photos, movies and web browsing, but also for professional applications which demand color accuracy and consistent brightness at all times.

### 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.

### HDMI Ready



An HDMI-ready device has all the required hardware to accept High-Definition Multimedia Interface (HDMI) input. A HDMI cable enables high-quality digital video and audio all transmitted over a single cable from a PC or any number of AV sources (including set-top boxes, DVD players, A/V receivers and video cameras).

### 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

## Gaming Monitor

Technology applies a new solution to regulate brightness and reduce flicker for more comfortable viewing.

### DisplayPort connection



DisplayPort is a digital link from PC to Monitor without any conversion. With higher capabilities than DVI standard, it is fully capable to support up to 15meter cables and 10.8 Gbps/sec data transfer. With this high performance and zero latency, you get the fastest imaging and refresh rates - making DisplayPort the best choice for not only general office or home use, but also for the demanding gaming and movies, video editing and more. It also keeps interoperability in mind via use of various adapters.

## Specifications

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### Picture/Display

AMD FreeSync™ technology	Premium
LCD panel type	IPS technology
Backlight type	W-LED system
Panel Size	23.8 inch / 60.5 cm
Display Screen Coating	Anti-Glare, 3H, Haze 25%
Effective viewing area	529.04 (H) x 296.46 (V)
Aspect ratio	16:9
Optimum resolution	1920 x 1080 @ 144 Hz
Pixel Density	93 PPI
Response time (typical)	1 ms (MPRT)
Brightness	250 cd/m <sup>2</sup>
SmartContrast	Mega Infinity DCR
Contrast ratio (typical)	1000:1
Pixel pitch	0.2745 x 0.2745 mm
Viewing angle	178° (H) / 178° (V) @ C/R > 10
Color gamut (typical)	NTSC 111%*, sRGB 127%*
Picture enhancement	SmartImage game
Display colors	16.7 M
Scanning Frequency	30 - 160 kHz (H) / 48 - 144 Hz (V)
Flicker-free	Yes
LowBlue Mode	Yes
sRGB	Yes

### Connectivity

Signal Input	VGA (Analog ) HDMI (digital, HDCP) DisplayPort x 1
Sync Input	Separate Sync Sync on Green
Audio (In/Out)	Audio out

### Convenience

User convenience	Power On/Off Menu/OK Brightness/UP Input/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
Kensington lock
VESA mount (100x100mm)
DDC/CI
Mac OS X
sRGB
Windows 10 / 8.1 / 8 / 7

Other convenience

Plug & Play Compatibility

### Stand

Tilt -5/20 degree

### Power

On mode	16.7 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)	540 x 416 x 185 mm
Product without stand (mm)	540 x 325 x 43 mm
Packaging in mm (WxHxD)	600 x 479 x 224 mm

### Weight

Product with stand (kg)	2.97 kg
Product without stand (kg)	2.49 kg
Product with packaging (kg)	5.04 kg

### Operating conditions

Temperature range (operation)	0°C to 40 °C
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## Gaming Monitor

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	CB FCC Class B ICES-003 CE Mark CCC CECP CEL
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### Cabinet

Color	Black
Finish	Textured

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

\* Response time value equal to SmartResponse

\* NTSC Area based on CIE1976

\* sRGB Area based on CIE1931

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\* The monitor may look different from feature images.



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