AGON BY AOC

# EVERY MILLISECOND MATTERS

POWERED BY

## G2590FX




1ms GTG | AMD FreeSync Premium | NVIDIA G-SYNC | SHADOW CONTROL | FHD

It is fast! 144 Hz refresh rate coupled with 1 ms response time and FreeSync Premium support. 24.5" display in Full HD on a sleek, 3-sides frameless design.

- 1ms Response time GTG - Grey-to-Grey
- FreeSync Premium and G-SYNC Compatible
- FHD Resolution
- AOC Game Color and Shadow control
- 144Hz Refresh Rate

## 1MS RESPONSE TIME GTG - GREY-TO-GREY

GtG stands for Grey-To-Grey and represents how long it takes for one pixel to change between one gray level to the next. In gaming, every millisecond counts and can be the differentiator between hitting or missing a shot. Fast response time also eliminates ghosting and motion blur.




## FREESYNC PREMIUM AND G-SYNC COMPATIBLE

The most fluid and tear-free gaming experience, no matter what GPU you use. FreeSync Premium ensures a high refresh rate of at least 120Hz, as well as low framerate compensation for AMD graphics cards. Those who use a NVIDIA product instead can also enjoy the benefits and let their games run as smoothly as possible

## FHD RESOLUTION

Want to watch a Blu-ray movie in full quality, enjoy games in high resolution or read crisp text in office applications? Thanks to its Full HD resolution of 1920 x 1080 pixels, this monitor lets you do just that. Whatever you are viewing, with Full HD it will be displayed in rich detail without requiring a high-end graphics card or consuming a lot of your system's resources.







## AOC GAME COLOR AND SHADOW CONTROL

Bring the battle out of the shadows with AOC Shadow Control and AOC Game Color! Adjust grey levels for better picture detail and brighten dark areas or sink them back into blackness on the fly, without affecting the rest of the display.

## 144HZ REFRESH RATE

Equip yourself with twice the frame rate of other monitors and say goodbye to image stuttering and blurry motion. With a 144Hz refresh rate every frame is rendered sharply and in smooth succession, so you can line up your shots accurately and appreciate high speed races in all their glory.



## GENERAL

| | |
|---|---|
| Model Name | G2590FX |
| Channel | Gaming |
| Product line | AOC Gaming |
| Design family | G90 |
| Launch date (ETA) | 11/28/2017 |
| EAN | 4038986166423 |

## DISPLAY INFORMATION

| | |
|---|---|
| Screen size (inch) | 24,5 |
| Screen size (cm) | 62,23 |
| Flat / Curved | Flat |
| Display hardness | 3H |
| Pixel Pitch (mm) | 0,2832 |
| Panel resolution | 1920x1080 |
| Aspect ratio | 16:9 |
| Panel type | TN |
| Backlight type | WLED |
| Max Refresh rate | 144 Hz |
| Response time GtG (typical) | 1 ms |
| Static contrast ratio (typical) | 1000:1 |
| Dynamic contrast ratio | 50M:1 |
| Viewing angle (CR10) | 170/160 |
| Display colours | 16.7 Million |
| Brightness in nits (typical) | 400 cd/m² |

## VIDEO FEATURES

| | |
|---|---|
| Sync technology (VRR) | Adaptive Sync |
| NVIDIA G-SYNC™ | NVIDIA G-SYNC Compatible |
| AMD FreeSync™ | AMD FreeSync Premium |
| Blue Light Technology | Low Blue Light |
| Colour space (sRGB) CIE 1931 % | 102,0 |
| Colour space (Adobe RGB) CIE 1931 % | 81,0 |
| Flicker-Free | Flicker Free |

## CABINET INFORMATION

| | |
|---|---|
| Bezel Colour (front) | Black, Red |
| Cabinet colour (backside) | Black |
| Cabinet finishing (backside) | Texture |
| Removable stand | Yes |
| Vesa wallmount | 100x100 |

## ERGONOMIC INFORMATION

| | |
|---|---|
| Tilt | -3,5/19,5 |
| Pivot | No |

## GAMING FEATURES

| | |
|---|---|
| Gaming style | Shooters, Action, FPS (eSports) |
| Game mode | RTS, FPS, Racing, Gamer 1, Gamer 2, Off |
| Gaming convenience | G-menu |

## SUSTAINABILITY

| | |
|---|---|
| TCO Certified | 7 |
| WEEE | Yes |
| RoHs compliant | Yes |
| Mercury free | Yes |
| Recycable packaging material | 100 % recycable |

## POWER CONSUMPTION

| | |
|---|---|
| Power supply | Internal |
| Power consumption on (Energystar test method) in watts | 23,0 |
| Power consumption standby in watts | 0,5 |
| Power consumption off in watts | 0,5 |
| Energy class | F |

## REGULATORY COMPLIANCE

| | |
|---|---|
| CB | Yes |
| CE | Yes |
| TUV-Bauart-Mark | Yes |
| ISO 9241-307 | Yes |
| EAC | Yes |
| Microsoft WHQL | Yes |
| Pixel policy | ISO 9241-307 |

## CONNECTIVITY INFORMATION

| | |
|---|---|
| HDMI | HDMI 1.4 x 2 |
| DisplayPort | DisplayPort 1.2 x 1 |
| Audio Output | Headphone out (3.5mm) |
| D-SUB (VGA) | 1x |

## PRODUCT DIMENSIONS

| | |
|---|---|
| Product dimensions incl. base (WxHxD) mm | 558.6(H) x 199.7(W) x 423.7(D) |
| Packaging dimensions (WxHxD) mm | 417(H) x 627(W) x 173(D) |
| Gross weight incl. package (in kg) | 6,1 |
| Net weight excl. package (in kg) | 4,27 |

## WHAT'S IN THE BOX

| | |
|---|---|
| HDMI cable | 1.8 |
| Displayport cable | 1.8 |
| Audio cable | 1.8 |
| Power cable C7 | 1.8 |

## OTHER INFORMATION

| | |
|---|---|
| Warranty period | 3 years |
| MTBF | 50.000 hours (excluded backlight) |


### ⚡ LEGAL DISCLAIMER

The monitor may appear different from the feature image. The products, accessories, cable(s) supplied with the product may vary in type, quantity, and/or specifications in line with country- or region-specific requirements. Specifications are subject to change without notice. The above functionality may vary depending on the user's actual usage conditions. This product is sold with a limited manufacturer's warranty. Please refer to the warranty terms for coverage details. All Rights reserved.