



## AOC C27G2ZU/BK LCD Monitor Specifications and Datasheet

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**AOC C27G2ZU/BK LCD Monitor**



## Description

27-inch (68.6 cm) AOC Gaming C27G2ZU Monitor

**240<sub>Hz</sub>**



ADJUSTABLE  
STAND



CURVED MONITOR



LOW INPUT LAG



GAME COLOR

AMD  
**FreeSync**  
Premium

**0.5<sub>ms</sub>**

With a 240Hz refresh rate, 0.5ms response time, and minimal input latency, the AOC C27G2ZU delivers flawless performance. The display may be adjusted to suit individual demands thanks to its curved design, height adjustment, and swivel feature. It is compatible with G-Sync and FreeSync Premium.



**FreeSync Premium**

Enjoy the best quality visuals even in fast-paced games. The AMD FreeSync Premium Technology ensures that the GPU's and monitor's refresh rates are synchronized, which provides a fluid, tear-free gaming experience at the highest performance. The AMD FreeSync Premium features a refresh rate of a minimum 120Hz, decreasing blur and sharpening the picture for a more life-like experience. The LFC feature eliminates the risk of stutter in case the frame rate drops below the refresh rate.

## Curved



Curved design wraps around you putting you at the center of the action and providing an immersive gaming

experience.

## 0.5 ms



A pixel response time of 0.5 ms means speed without the smear for an enhanced experience. Fast-moving action and dramatic transitions will be rendered smoothly without the effects of ghosting.

## 240Hz



240Hz completely unleashes top-end GPUs, bringing unprecedented fluidity to the picture on your screen. With every detail brought sharply into focus and every movement shown with crystal clarity, feel your reactions become one with the action and elevate your game.

## Specifications

### General

- **Model name:** C27G2ZU/BK
- **EAN:** 4038986187374
- **Product Line:** AOC Gaming
- **Series:** G2 Series
- **Channel:** B2C
- **Classification:** Hero
- **Section:** Gaming
- **Gaming style:** Shooters, Action, eSports, FPS (eSports), Beat 'm up, Racing
- **Launch date:** 01-04-2019
- **Continent:** Europe
- **The product status (EU):** Active

### Screen

- **Resolution:** 1920×1080
- **Refresh rate:** 240Hz

- **Screen size (inch):** 27 inch
- **Screen size (cm):** 68.6 cm
- **Flat / Curved:** Curved
- **Curvature Radius:** 1500 mm
- **Backlight:** WLED
- **Panel Type:** VA
- **Aspect ratio:** 16:9
- **Display Colours:** 16.7 Million
- **Panel Colour in Bits:** 8
- **sRGB Coverage (%):** 120
- **Adobe RGB Coverage (%):** 89
- **NTSC coverage (%):** 85 %
- **Active Screen Area (HxW):** 597.888(H)mm x 336.312(V)mm mm
- **Pixel Pitch:** 0.3114
- **Scanning Frequency:** 30 -255kHz (H) 48 -240 Hz (V)
- **Response Time (MPRT):** 0.5 ms
- **Contrast (static):** 3000:1
- **Contrast (dynamic):** 80M:1
- **Brightness (typical):** 300 cd/m<sup>2</sup>
- **Viewing angle (CR10):** 178/178 °
- **Hard Glass Antiglare:** + 3H
- **OSD languages:** EN, FR, ES, PT, DE, IT, NL, SE, FI, PL, CZ, RU, KR, CN (T), CN (S), JP

## Exterior

- **Monitor Color:** Black Red
- **Bezel Type:** Borderless
- **Removable Stand** ✓

## Ergonomics

- **Vesa Wallmount:** 100×100
- **Tilt:** 3.5° ±1.5° ~ 21.5° ±1.5° °
- **Swivel:** 30° ±2° ~ 30° ±2° °
- **Height Adjust Amount:** 130mm

## Multimedia

- **Built-in Speakers:** 2 W x 2
- **Audio output Headphone out:** (3,5mm)

## Connectivity and Multimedia

- **Signal Input HDMI:** 2.0 x 2, DisplayPort 1.2 x 1

- **USB input USB:** 3.2 (Gen1) x 4
- **USB Hub:** ✓
- **USB out ports:** 4
- **USB fast charge:** ✓

#### What's in the Box?

- **HDMI cable:** 1,8 m
- **Displayport Cable:** 1,8 m
- **Power Cable:** C13 1.8m m

#### Power / Environmental

- **Power supply:** External
- **Powersource:** 100 – 240V 50/60Hz
- **PowerConsumption On (EnergyStar):** 31 watt
- **PowerConsumption Standby (EnergyStar):** 0.3 watt
- **PowerConsumption Off (EnergyStar):** 0.3 watt
- **EnergyClass:** B

#### Approbations / Regulations

- CE ✓
- FCC ✓
- EAC ✓
- ISO 9241-307 class I ✓
- Rohs compliant ✓
- Reach compliant ✓

#### Warranty

- **Warranty Period:** 3 Years
- Dimensions / Weights
- **Product dimensions incl base:** 528.6~398.6 (H)x612.37(W) x227.4(D)
- **Product dimensions excl base:** 367.33(H) \* 612.37(W) \* 73.16(D)
- **Packaging Dimensions:** (L x W x H) 686W\*214D\*523H mm
- **Product Dimensions (incl base):** 528.6~398.6 (H)x612.37(W) x227.4(D) mm
- **Gross Weight (including package):** 7.8 Kg
- **Net Weight (excluding package):** 5.5 Kg

#### Texts and USP

- **Marketing title:** 27 inch 1920x1080@240Hz VA DisplayPort 1.2 x 1, HDMI 2.0 x 2 USB 3.2 (Gen1) x 4  
FreeSync Premium

## Features

- **Sync Technology:** FreeSync Premium
- **Sync Range:** 48 – 240
- Flicker-free ✓
- **Blue Light Technology:** Low blue light
- Kensington Lock ✓

## FAQ's

### Does this monitor come with a Display port cable?

Mine came with a display port cable and an HDMI Cable.

### Is this monitor mountable with a monitor stand?

Yes using a monitor mount with Vesa 100 x 100mm

### is this monitor really 144hz? when I looked on the AOC website for this display it states 75hz

I bought this model from Amazon about a month ago and it is what it says on the box. 27", 144hz, 1ms.

### Is the AOC gaming C27G2ZU good?

Overall, the AOC C27G2Z is a decent gaming monitor, but it doesn't excel at anything in particular. Its high contrast ratio and wide color gamut provide a vibrant image with deep blacks and rich colors, but the low pixel density results in smudgy details.

### What is the response time of AOC gaming C27G2ZU?

240Hz refresh rate, 0.5ms response time, and low input lag enable the AOC C27G2ZU to provide a perfectly smooth performance. With its curved design, height adjustment, and swivel ability, the monitor can be adjusted to individual needs.

### Does AOC monitor have built-in speakers?

AOC C27G2ZU27 inch IPS Monitor – Full HD 1080p, 4ms Response, Built-In Speakers, HDMI, DVI.

### What is the best setting for AOC monitor?

The ideal setting would be to set "shadow contrast" to around 50, "Game Colour" to around 10, "Brightness" to the full 100, and finally the "Contrast" to around 50 as well. Next, view the "Colour Temp" option right across the four setting options we just mentioned.

### Does AOC C27G2ZU27 have HDR?

Engineered with AMD FreeSync Premium technology, AOC's C27G2ZU27 offers a 165Hz refresh rate and 1 ms response time to allow an ultra-smooth experience. The deeper-than-average curvature complements its VA panel, providing HDR lifelike picture quality from almost any angle for immersive gameplay.

### Is AOC monitor good for the eyes?

While the screen's short wavelength blue light emission can cause strain, retinal stress, and macular degeneration, AOC's Low Blue Light slightly changes the color temperature to eliminate blue tones, without significantly impacting the experience." Commented Artem Khomenko, Head of product manager of AOC.

### What is the resolution of the AOC monitor?

Don't worry about future technology as it supports 1080p signals from all sources, including the most recent like Blu-ray and advanced HD game consoles. Enjoy games and movies on your AOC monitor which produces brilliant flicker-free progressive scan pictures with superb brightness and colors.

## **How do I change the refresh rate on my AOC monitor?**

With the settings menu in Windows or MacOS: Right-click the Windows 10 desktop. Select 'Display settings' and go to 'Advanced display settings' in this menu. Click 'Display adapter properties' at the bottom of this screen. In the 'Monitor' tab, set the desired refresh rate under 'Screen refresh rate'.

## **Are AOC monitors wireless?**

Considering that this is just a monitor, no, it does not have wireless connectivity like Bluetooth or WiFi. A: The sound will come from the computer.

## **Do AOC monitors have HDMI ports?**

Yes, it has an HDMI port and a VGA port.

## **Is AOC monitor good for editing?**

The AOC C27G2ZU27 is a 27-inch (68 cm) monitor with an impressive 4K resolution. It's an IPS panel so you get good viewing angles, and this is a wide-gamut monitor with a quoted 108% sRGB gamut coverage. For photo editing, that high resolution means you'll be able to fit a lot on the screen.

## **Is AOC good quality?**

The brand has a 50-year track record, and they are known in Europe and Asia as one of the more reliable monitor brands available now. The company has consistently produced high-quality products and has satisfied businesses, gamers, and general consumers worldwide.

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