

ULTRA-SMOOTH,
ULTRA-FAST, BUILT TO
WIN

POWERED BY
27G50FAD



The 27G50F features a 27" FHD IPS panel for sharp visuals and wide viewing angles. With a 180Hz refresh rate and 0.5ms MPRT response time, gameplay stays fluid and responsive. While Dial Point, Shadow Control and Sniper Scope enhance accuracy and visibility.

- **Overclock to 180Hz**
- **0.5ms MPRT - Moving Picture Response Time**
- **Adaptive Sync Enabled**
- **Live the game at its best with HDR10**
- **Anti-Blue light**
- **Flicker-Free Viewing**

OVERCLOCK TO 180HZ

Overclock your display to 180Hz for ultra-smooth gaming visuals. Enjoy fluid motion and instant input lag reduction while playing fast-paced FPS, racing and action games. Every swift move and dynamic scene renders seamlessly, delivering immersive gameplay, sharper visuals and outstanding competitive performance for all your gaming sessions.



0.5MS MPRT - MOVING PICTURE RESPONSE TIME

MPRT is an acronym for moving picture response time. MPRT technology disables and enables your monitor backlight during picture changes. Through the reduced time a frame is shown on the monitor, "ghosting" and "blurring" effects are reduced, resulting in a smoother, more "fluid" feeling gaming experience.

ADAPTIVE SYNC ENABLED

Adaptive Sync technology eliminates screen tearing for smooth, uninterrupted gaming sessions.



ANTI-BLUE LIGHT

AOC has created an innovative solution to protect against the damaging effects of blue light from computer screens. AOC's Anti-Blue Light technology is revolutionary in reducing the intensity and strength of blue light from computer screens while still maintaining true color and clarity.



LIVE THE GAME AT ITS BEST WITH HDR10

HDR10 is here to enhance picture quality even further, improving the synchronization of your GPU or your console with the monitor. This creates a more realistic, immersive, and smooth gaming experience: You'll feel like stepping in the game, frame by frame.



FLICKER-FREE VIEWING

Flicker-Free technology reduces eye strain for comfortable, marathon gaming sessions.

GENERAL		CABINET INFORMATION		PRODUCT DIMENSIONS	
Model Name	27G50FAD	Kensington Lock	Yes	Product dimensions incl. base (WxHxD) mm	616(W) × 458.7(H) × 190 (D)
Brand	AOC	Vesa wallmount	100x100		
Channel	Gaming	ERGONOMICS		Product dimensions excl. base (WxHxD) mm	616(W)× 358.8 (H) × 36.2 (D)
Product line	AOC Gaming	Tilt	-3° ±2° ~ 21° ±2°		
Design family	G50	SUSTAINABILITY		Packaging dimensions (WxHxD) mm	690(W)*480(H)*124(D)
Launch date (ETA)	7/1/2026	RoHs compliant	Yes	Gross weight incl. package (in kg)	5,26
DISPLAY INFORMATION		Carton material	Paper	Net weight excl. package (in kg)	3,14
Screen size (inch)	27,0	Carton material print	Water Print (Brown Carton)	Product without stand (kg)	2,84
Flat / Curved	Flat	POWER CONSUMPTION		OTHER INFORMATION	
Curvature Radius	Flat	Power supply	External	MTBF	30.000 hours
Panel treatment	Antiglare (AG)	Power consumption on (typical) in watts	21,0		
Pixel Pitch (mm)	0,3114	Power consumption standby in watts	0,3		
Pixels per Inch	93,0	Power consumption off in watts	0,3		
Panel resolution	1920x1080	REGULATORY COMPLIANCE			
Aspect ratio	16:9	CB	Yes		
Panel type	IPS	CE	Yes		
Backlight type	WLED	FCC	Yes		
Max Refresh rate	180Hz OC	CONNECTIVITY INFORMATION			
Response time GtG	4 ms	HDMI	HDMI 2.0 x 1		
Response time MPRT	0.5 ms	Digital HDCP (HDMI version)	HDCP 2.2		
Static contrast ratio	1500:1	DisplayPort	DisplayPort 1.4 x 1		
Viewing angle (CR10)	178/178	Audio Output	1x Audio out		
Display colours	16.7M (6bits+FRC)	DP HDCP version	HDCP 2.2		
Brightness in nits	300 cd/m²				
Local Dimming Zones	Global Dimming				
VIDEO FEATURES					
Sync technology (VRR)	Adaptive sync + MBR Sync				
HDR (High Dynamic Range)	HDR Ready				
Flicker-Free	Flicker Free				

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.