

AOC GAMING



DISCOVER

YOUR DESTINY

EXPLORED BY

U27G3XM

UHD | FAST IPS | **QUANTUM DOT** | **MINI LED 576 LOCAL DIMMING** | 160HZ | **1MS RESPONSE TIME**
HDR1000 | **G-SYNC COMPATIBLE** | AMD FREESYNC PREMIUM | **PBP PIP** | HDMI 2.1

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► Features



Greater backlighting accuracy and ultra-high contrast

Mini-LED technology delivers enhanced brightness and ultra-high contrast ratio with deeper blacks and brighter whites, while unique 576 dimming zones provide precise backlight control to eliminate "halo" effect. The result is astonishing levels of detail and depth and more accurate color reproduction than traditional monitors.



4K Ultra High-Definition (UHD) 3840 x 2160 resolution

4K Ultra High-Definition (3840 x 2160) resolution delivers ultra-crisp picture quality and allows users to see more on the screen at one time. This provides more screen 'real estate' and also shows more detail for sharper and more brilliant images. Whether working on the next beautiful photo, design, or even just used for productivity, users will marvel at the true, crisp image that only a UHD display can provide.



Rule the Competition with Fast IPS

Fast IPS annihilates the competition with a speed 4x faster than conventional IPS. Guaranteeing you true 1ms (GtG) response times and captivating visual quality, raise your gaming performance to the next level!



Quantum Dot Tech for see-it-to-believe-it 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.



Become a Gaming-Optimized Weapon for your Team with 160Hz and 1ms

With 160Hz monitors being the standard in professional e-sport tournaments and competitions, embrace team solidarity and enjoy an ultra-smooth experience with the incredible responsive of 160Hz and 1ms, honing your sharpness and gaming abilities to the next level, especially where optimal team collaboration is required.



NVIDIA® G-SYNC™ delivers the smoothest and fastest gaming experience with a serious competitive edge.

NVIDIA® G-SYNC™ technology synchronizes your GeForce GTX-powered PC and your monitor's refresh rates to eliminate screen tearing, minimize display stutter and input lag, providing the smoothest, fastest, and most visually stunning gaming experience. Get fluid and responsive gameplay where objects look sharper, scenes appear instantly, to allow you to enjoy the latest games to the fullest.



Enjoy the best quality visuals even in fast paced games

AMD FreeSync™ Premium technology ensures accurate refresh rate synchronization between AMD GPUs and your monitors, providing highly accurate luminance and wide color gamut, enabling an exceptional HDR gaming experience.



DisplayHDR™ 1000 for outstanding visuals

Vesa Certified DisplayHDR™ 1000 delivers a dramatically different visual experience. Unlike other 'HDR compatible' screens, true DisplayHDR™ 1000 produces astonishing brightness, contrast and colors. With the help of local dimming and super high peak brightness up-to 1200 nits, images come to life with advanced highlights featuring deeper, more nuanced blacks. It renders a fuller palette of rich new colors, delivering a visual experience that engages your senses.



Connecting your eyes with your hands

Unleash your reflexes by switching to AOC Low Input Lag mode. Forget graphical frills: this mode rewires the monitor in favor of raw response time, giving you the ultimate edge in a hair-trigger standoff.



Optimize your game settings

Enhances color and sharpness for different game styles. Six modes to GAME MODE select: FPS, Racing, RTS, Gamer1, Gamer2, Gamer3 and Off.



Reducing shortwave blue light output for healthier eyes

Low Blue Mode setting ensures a more healthy viewing experience for prolonged computer use without compromising the naturally vivid colors of the display.



HDMI 2.1 expands the limits of possibility

HDMI 2.1 brings faster and variable refresh rates and amazing 48Gbps transmission bandwidth, for reduced or eliminated lag, stutter and frame tearing, plus higher resolution, higher frame rates, and smooth, fluid and detailed up to 4K 120Hz gaming experience.

► Specifications

Model Name	U27G3XM
Panel	27" (FastIPS with Quantum Dot)
Pixel Pitch (mm)	0.15525 (H) × 0.15525 (V)
Effective Viewing Area (mm)	596.16 (H) × 335.34 (V)
Brightness (typical)	450 cd/m ² (SDR) / 1200 cd/m ² (HDR Peaking)
Contrast Ratio	1000 : 1 (Typical) 80 Million : 1 (DCR)
Response Time	1ms (GtG)
Viewing Angle	178° (H) / 178° (V) (CR > 10)
Color Gamut	NTSC 128% (CIE1976) / sRGB 151% (CIE1931) / DCI-P3 117% (CIE1976)
Color Accuracy	Delta E < 2
Optimum Resolution	3840 × 2160 @ 144Hz – HDMI 2.1 3840 × 2160 @ 160Hz – DisplayPort 1.4+DSC
Display Colors	1.07 Billion
Signal Input	HDMI 2.1 × 2, DisplayPort 1.4 × 1
HDCP Version	HDMI: 2.2 / DisplayPort: 2.2
USB Hub	USB 3.2 Gen1 × 2
Power Supply	100 - 240V ~ 2.0A, 50 / 60Hz
Power Consumption (typical)	63W
Speakers	no
Line in & Earphone	Earphone
Wall-Mount	100mm x 100mm
Adjustable Stand	Height: 130mm, Pivot: —90° ~ 90°, Swivel: —30° ~ 30°, Tilt: —5° ~ 23°
Product without Stand (mm)	365.6 (H) × 614.4 (W) × 70.4 (D)
Product with Stand (mm)	403.3~533.3 (H) × 614.4 (W) × 302.6 (D)
Packaging (mm)	480 (H) × 805 (W) × 162 (D)
Product without Stand (kg)	5.62
Product with Stand (kg)	7.24
Product with Packaging (kg)	9.35
Cabinet Color	Black & Red
Regulatory Approvals	RoHS / CE / FCC

Design and Specifications are subject to change without notice.