Features

Immerse yourself in a world of deeper blacks and high contrast

Experience the visuals like never before with Fast VA monitor. Its deep blacks and high contrast ratios make the visuals pop, especially in darker game scenes. With its fast response times, the action remains fluid and clear, even during the most intense gameplay, leaving you impressed and satisfied.

Excellent viewing angle up to 178°

Without Fast VA

The e-sports professional standard for gaming

With a 180Hz refresh ratte and 1ms response time, your display will be equipped to perform at the pro gaming standard. Enjoy an ultra-smooth experience with no visible screen blur to ensure you're always prepped to win.

A universally respected anti-tearing solution

Gaming shouldn't be a choice between choppy gameplay or broken frames. Get fluid, artifact-free performance at virtually any framerate with Adaptive-Sync technology, smooth quick refresh and ultra-fast response time.

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-got-to-see-it-to-believe-it color.

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 1152 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.

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.

HDR

SDR

Creates faster response times by decreasing delay between video source input and output

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 select: FPS, Racing, RTS, Gamer1, Gamer2, Gamer3 and Off.

Protect your eyes from screen flicker

Flicker-free technology reduces flicker to give you a more comfortable gaming experience. Normal LED-backlit monitors adjust brightness using PWM (Pulse Width Modulation) which causes flickering and results in eye discomfort over long periods oftime. AOC flicker-free technology uses a DC (Direct Current) backlight system to provide a more comfortable and healthier viewing experience, minimizing the effects of eye fatigue during work hours.

Reducing shortwave blue light output for healthier eyes

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

Adjustable color saturation for better gray levels and finer picture detail

AOC GameColor can be set between levels 0-20 in order to adjust color level for better picture details.

One place to control settings for your gaming experience with AOC G-MENU

With AOC G-MENU, you have one place to dial in your settings for your visual gaming experience on an intuitive GUI-based menu.

Specifications

Model Name	Q27G40XMN
Panel	27" (Fast VA with Quantum Dot)
Pixel Pitch (mm)	0.2331 (H) × 0.2331 (V)
Effective Viewing Area (mm)	596.736 (H) × 335.664 (V)
Brightness (typical)	450 cd/m² / 1200 cd/m² (Center peak for HDR)
Contrast Ratio	5000 : 1 (Typical) / 80 Million : 1
Response Time	1ms GtG
Viewing Angle	178° (H) / 178° (V) (CR > 10)
Color Gamut	NTSC 130% (CIE1976) / sRGB 148% (CIE1931)
	DCI-P3 119% (CIE1976)
Color Accuracy	Delta E < 2
Optimum Resolution	2560 × 1440 @ 180Hz – DisplayPort1.4
	2560 × 1440 @ 144Hz – HDMI2.0
Display Colors	1.07 Billion
Signal Input	HDMI 2.0 × 1, DisplayPort 1.4 × 1
HDCP Version	HDMI: 2.2 / DisplayPort: 2.2
USB Hub	No
Power Supply	Internal 100 - 240V∼1.5A, 50 / 60Hz
Power Consumption (typical)	37W
Speakers	No
Line in & Earphone	Earphone
Wall-Mount	100mm x 100mm
Adjustable Stand	Tilt: -5° ~ 23°
Product without Stand (mm)	366.4 (H) × 614.0 (W) × 59.4 (D)
Product with Stand (mm)	462.9 (H) × 614.0 (W) × 194.1 (D)
Packaging (mm)	480 (H) × 690 (W) × 139 (D)
Product without Stand (kg)	5.38
Product with Stand (kg)	6.35
Product with Packaging (kg)	8.89
Cabinet Color	Black & Red
Regulatory Approvals	CE / CB / FCC / RoHS
	TUV Rheinland Certificated Flicker Free

Design and Specifications are subject to change without notice.