Dual Dynamic Universe

BenQ CLASSIC

nvidia G-SYNC

XL2420G
The Hybrid Engine G-SYNC Gaming Monitor

Featuring a hybrid engine design with 1ms GTG, 144Hz, low latency, low motion blur and gaming eye-care features, the 24" XL2420G gives you the freedom to switch between BenQ's proprietary Classic Mode and the G-SYNC Mode. So you can enjoy the best of both worlds and stay on top of your game.

nvidia G-SYNC

nvidia 3D VISION READY

Flicker-free

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

Windows 8 Compatible

BenQ
Because it matters

Motion Blur Reduction · Low Blue Light · GROM · Black eQualizer · FPS · Display Mode · Smart Scaling · S.Switch · Game Mode Loader

SPECIFICATIONS

The Hybrid Engine G-SYNC Gaming Monitor

NVIDIA's latest G-SYNC revolution requires monitor manufacturers to replace their scalar with a G-SYNC, trading in the freedom to scale settings like input frame, color hue, intensity and contrast for pure speed and smoothness of the game. With the best efforts of our R&D champions, we've found a way to keep your options open with the world's first hybrid engine design. So you are in control of matching your choice of gameplay. The Hybrid Engine G-SYNC Gaming Monitor

BenQ Proprietary Classic Mode Tap into Unlimited Potentials of Total Maneuverability

For those in favor of perfect motion gaming that can be tailored to match their gameplay preferences, the Classic Mode offers a wide array of customizable settings, from Motion Blur Reduction to Gaming Refresh Rate Optimization Management (GROM), Black eQualizer, Display Pilot, Smart Scaling, S Switch, and Game Mode Loader. The mode also features BenQ's exclusive Gaming-comfort Flicker-free Technology and Low Blue Light modes to help protect your eyes from computer-related discomfort. In essence, it's a total package solution for agile performance, precise control, intuitive user experience and eye comfort. What's more, with this mode, you can be sure to get the best gaming experience for games unsupported by the G-SYNC Mode.

NVIDIA-Powered G-SYNC Mode Sway Your Enemies with Game-changing Smoothness

By synchronizing the XL2420G's display refresh rates to the GPU in a GeForce GTX-powered PC, the G-SYNC Mode enables images to appear instantly the moment they are rendered. The low latency effectively eliminates screen tearing, and minimizes display stutter and input lag – frame rate artifacts commonly seen in high-motion gaming. Ultra Low Motion Blur (ULMB) is also at your disposal to smooth the way for a near-zero motion blur performance. Ultimately, with NVIDIA's G-SYNC technology, an unprecedented buttery smooth, ultra-responsive gameplay to victory is all you'll get.

Motion Blur Reduction for Extra Clarity Throughout the Game

BenQ's new Motion Blur Reduction technology further enhances an ultra-smooth, free-of-blur gaming experience, particularly for action-packed FPS games where every millisecond count. With Motion Blur Reduction, gamers no longer suffer from time and gaming comfort lost to poor vision quality created by motion blur and lagging. Instead, they have everything to gain with more reaction time advantage on their side to achieve ultimately a flawless victory.

Low Blue Light as Eye Safety Precautionary Measure

Practice long hours with clear, comfortable vision or compete with top-notch vision condition with BenQ's new Low Blue Light. The blue spectrum light, which is produced by regular computer screens, is a critical cause of eye damage, eyestrain, headaches and sleeping disorders. Now with the offering of various adjustable low blue light levels, gamers can better protect their eyes. So there would be no need for yellow tinted eyeglasses for additional eye protection, and gameplay can be clear, comfortable and hassle-free!

Product Name		XL2420G
Display		
Backlight Unit/ Panel Type		LED/TN
LCD Size/ Aspect Ratio		24"W/16:9
Resolution (max.)		1920x1080
Pixel Pitch (mm)		0.276
Brightness (typ.)		350 cd/m²
Contrast (typ.)		1000:1
Dynamic Contrast Ratio (typ.)		12M:1
Viewing Angle (L/R;U/D) (CR>=10)		170°/160°
Vertical Refresh Rate		100/120/144Hz
Response Time		1ms(GTG)
Inputs, Outputs, Accessories		
Input / Output Connector		DVI-DL/HDMIx2/DP1.2/ Headphone jack
Signal Cable		DVI-DL, DP, USB cable
Accessories		S Switch (Classic mode only), Dust Cover
Power		
Power Supply (90~264 AC)		Built-in
Power Consumption (Based on Energy Star test criteria)	On Mode	60W
	Power Saving Mode	0.5W
Gaming Exclusive Feature		
G-SYNC Technology		Yes
Ultra Low Motion Blur		Yes(G-SYNC mode only)
Motion Blur Reduction		Yes(Classic mode only)
Black eQualizer		Yes
Smart Scaling		Yes(classic mode only)
Display Mode		17" (4:3)/19" (4:3)/19"W (16:10)/21.5"W (16:9)/22"W (16:10)/23"W (16:9) (16:9)/24"W (16:9)(classic mode only)
FPS / RTS Mode/ Game Mode Loader		Yes/Yes/Yes(Classic mode only)
Special Feature		
Flicker-free Technology		Yes
Low Blue Light		Yes
Windows 8.1/Windows 8/ Windows 7		Yes/Yes/Yes
HDCP		Yes
VESA Wall Mounting		100x100 mm
Pivot / Swivel (Left/Right)		90°/35°/35°
Tilt (Down/Up)		-5°~20°
Height Adjustment Stand (mm)		130 (able to pull down to the base)
K Locker		Yes
3D		NVIDIA® 3D ready (G-SYNC mode only)
Dimensions & Weight		
Dimensions (HxWxD mm)		505x571x243 mm
Net Weight (kg)		6.1

Dealer's Stamp

Design Awards

reddot design award winner 2011

GOOD DESIGN AWARD 2011

product design award iF 2012

BenQ

Because it matters