ComX Computers
Product Specification Sheet

LGE32GQ850

LG GQ850 32" UltraGear QHD Nano IPS Monitor

Product Overview

LG GQ850 32" UltraGear QHD Nano IPS with ATW 1ms 240Hz HDR 600 Monitor with G-SYNC Compatible, Screen Size 31.5"; Resolution 2560x1440, Display Type IPS; Aspect Ratio 16:9, Pixel Pitch (mm) 0.274 mm x 0.274 mm; Brightness 360cd/m2(Min.), 450cd/m2 (Typ.). NVIDIA G-SYNC Compatible, AMD FREESync Premium Pro



Specifications

Features:

Broaden Your True View
Nano IPS with ATW (Advanced True Wide Polarizer) enhances contrast ratio and color expression in true wide angle and can help boost your gaming experience more realistically.

Better Contrast Ratio and Color Expression
ATW (Advanced True Wide Polarizer), applied to an ultra-premium display for high-level professional work for medical and expert use, covers better Angular Contrast Ratio (max.11 times) and color coverage (max.52 times) than the display not applied the ATW in wider angle.

Stunning Gaming Imagery
Nano IPS technology supports high-fidelity color to reproduce vivid scenes, while VESA DisplayHDR™ 600 delivers dynamic contrast on a 32-inch large QHD screen.

Speedy Screen, Smooth Gameplay
A fast speed of 240Hz (Overclock 260Hz) allows gamers to see the next frame quickly and makes image to appear smoothly. The gamers can response rapidly to opponents and aim at target easily.

Overwhelming Speed, Diving into Gaming
With IPS 1ms comparable to TN Speed, reducing reverse ghosting and providing fast response time, lets you to enjoy a whole new gaming performance.

Play Game Fully yet Easily
32GQ850 is capable of up to 240Hz refresh rate from HDMI 2.1. It means gamers can fully enjoy QHD resolution and 240Hz either by DisplayPort or HDMI.

VESA Certified AdaptiveSync
This monitor, which receives VESA AdaptiveSync Display certification which is focused on gaming with significantly higher refresh rates and low latency, enables smoother, tear-free images for gaming and jitter-free video playback.

NVIDIA® G-SYNC® Compatible
32GQ850 is a NVIDIA-tested and officially validated G-SYNC® Compatible monitor, that can give you a good tear-free, stutter-free gaming experience.

AMD FreeSync™ Premium Pro
With FreeSync™ Premium Pro technology, gamers can experience seamless, fluid movement in hi-resolution and fast-paced games. It virtually reduces screen tearing and stuttering.

Gamer-centric Design
Enhance your gaming experience with a new Hexagon lighting design and slim bezel on the 3-side. The adjustable base helps you play games more comfortably.

Plugin for Immersive Sound Effect
Enjoy your games while having voice chat by connecting easily with 4-pole Headphone out. Also, you can feel even more immersive with virtual 3D sound with DTS Headphone :X.

Award Winning Gaming GUI
Gamers can use On-Screen Display and OnScreen Control to easily customize the setting from adjusting basic monitor options to registering 'User Defined Key' that user can set the shortcut.

Dynamic Action Sync
With Dynamic Action Sync, gamers can catch critical moments in real time, reduce input delays, and respond quickly to their opponents.

Black Stabilizer
Black Stabilizer helps gamers to avoid snipers hiding in the darkest places and quickly escape situations when the flash explodes.

Crosshair
Target point is fixed in the center to enhance shooting accuracy.

FPS Counter
Without installing a separate software, you can see your Frames Per Second (FPS) in games by displaying it in the corner of the screen.

Accurate Colors Updated
Optimize color performance by using Hardware Calibration through the LG Calibration Studio, making the most of LG IPS QHD display's wide color spectrum and consistency.

Specifications:

Info	
Product name	UltraGear
DISPLAY	
Size (Inch)	31.5
Size (cm)	80 cm
Resolution	2560 x 1440

Panel Type	IPS
Aspect Ratio	16::9
Pixel Pitch	0.2724 x 0.2724 mm
Brightness (Min.)	360 cd/m²
Brightness (Typ.)	450 cd/m²
Color Gamut (Min.)	DCI-P3 90% (CIE1976)
Color Gamut (Typ.)	DCI-P3 98% (CIE1976)
Color Depth (Number of Colors)	1.07B
Contrast Ratio (Min.)	700::1
Contrast Ratio (Typ.)	1000::1
Response Time	1ms (GtG at Faster)
Refresh Rate (Max.) [Hz]	260 (O/C)
Viewing Angle (CR>=10)	178º(R/L), 178º(U/D)
Curvature	NO
FEATURES	
HDR 10	YES
Dolby Vision	NO
VESA DisplayHDR	DisplayHDR 600
HDR Effect	YES
Mini-LED Technology	NO
Nano IPS Technology	YES
Advanced True Wide Pol.	YES
Color Calibrated in Factory	YES
HW Calibration	HW Calibration Ready
Auto Brightness	NO
Flicker safe	YES
Reader Mode	YES
Color Weakness	NO
Super Resolution+	NO
Motion Blur Reduction Tech.	NO
NVIDIA G-Sync	G-SYNC Compatible
AMD FreeSync	FreeSync Premium Pro
VRR	YES
Black Stabilizer	
Dynamic Action Sync	YES
Crosshair	YES
FPS Counter	YES

OverClocking	YES
User Defined Key	YES
Auto Input Switch	NO
RGB LED Lighting	Hexagon Lighting
PBP	NO
PIP	NO
Smart Energy Saving	YES
Camera	NO
Mic	NO
Others (Feature)	Hexagon Lighting, DTS HP:X (4-pole H/P Out)
SW APPLICATION	
LG Calibration Studio (True Color Pro)	YES
Dual Controller	NO
OnScreen Control (LG Screen Manager)	YES
LG UltraGear Control Center	NO
LG UltraGear Studio	YES
CONNECTIVITY	
D-Sub	NO
DVI-D	NO
HDMI	YES(2ea)
DisplayPort	YES(1ea)
DP Version	1.4
Thunderbolt	NO
Thunderbolt (Data Transsmission)	NO
USB-C	NO
USB-C (Data Transsmission)	NO
Daisy Chain	NO
USB Upstream Port	YES(1ea/ver3.0)
USB Downstream Port	YES(2ea/ver3.0)
Built-in KVM	NO
LAN (RJ-45)	NO
SPDIF out (Optical Digital Audio Out)	NO
Audio In	NO
Mic In	NO
Headphone out	4-pole (Sound+Mic)

Line out	NO
SOUND	
Speaker	NO
Bluetooth Conectivity	NO
DTS HP:X	YES
Maxx Audio	NO
Rich Bass	NO
POWER	
Type	External Power(Adapter)
AC Input	100V~240V
Power Consumption (Typ.)	55W
Power Consumption (Max.)	110W
Power Consumption (Sleep Mode)	Less than 0.5W
Power Consumption (DC Off)	Less than 0.3W
MECHANICAL	
Display Position Adjustments	Tilt/Height/Pivot
Wall Mountable	100 x 100 mm
DIMENSIONS/WEIGHT	
Dimension with Stand (W x H x D)	713.9 x 613.8 x 278mm
Dimension without Stand (W x H x D)	713.9 x 428.2 x 54mm
Dimension in Shiping (W x H x D)	969 x 168 x 531mm
Weight with Stand	8.2kg
Weight without Stand	5.9kg
Weight in Shipping	11.5kg
ACCESSORY	
D-Sub	NO
DVI-D	NO
HDMI	YES
Display Port	YES
Thunderbolt	NO
USB Type C	NO
USB A to B	YES
Remote Controller	NO

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/LGE32GQ850-LG-GQ850-32-UltraGear-QHD-Nano-IPS-Monitor-p-295650.php

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