

IPS GAMING MONITOR

Nitro RG1 series- RG321QU P

- 2560x1440 WQHD resolution
- AMD ®FreeSync™ Premium technology
- Supports HDR10 technology
- Overclock to 170Hz refresh rate
- Visual Response Boost-1ms VRB
- BlueLightShield™ & flicker-less technology to reduce fatigue
- ZeroFrame Design



Specifications

Panel	Model	RG321QU P	
	Display Size	31.5"H	
	Maximum Resolution and Refresh Rate	Normal mode: HDMI1 : 2560x1440 @144Hz HDMI2: 2560x1440 @144Hz DP1.4 : 2560x1440 @165Hz Overclocking mode: DP1.4: 2560x1440 @170Hz	
	Panel Type	In-Plane Switching	
	Glare	No	
	Response Time	1ms VRB	
	Contrast Ratio	100 million:1 max (ACM)	
	Brightness	250 (cd/m ²)	
	Viewing Angle	178°(H),178°(V)	
	Colors	16.7M	
	Bits	8Bit	
System	Input Signal*	HDMI1(v2.0)+HDMI2(v2.0)+DP(1.4)+Audio out	
	VESA Wall Mounting	100x100 mm	
	Speaker	N/A	
	Power Supply (100 - 240 V)	External adapter (60W)	
	Tilt	-5° - 10°	
	Power Consumption (typ.)	Off	0.24W
		Sleep	0.30W
		On	38W

Feature Highlights

Design

- WQHD resolution
- Tilt: -5°~ 10°
- VESA mount support
- ZeroFrame design

Visual

- AMD®FreeSync™ Premium technology
- Overclock to 170Hz
- Supports HDR10 technology
- 1ms VRB

Protective comfort

- Acer Flicker-less
- Acer BlueLightShield™
- Low dimming technology
- Acer ComfyView display



WQHD resolution



Brings users into a perfect colorful world with WQHD 2560 x 1440, and provides the finest natural and sharp original quality with IPS panel and 100,000,000:1 contrast ratio.



1ms Visual Response Boost™

1ms Visual Response Boost™ (VRB), works by either quickly turning off the backlight or inserting a blank, black image between frames aka "blinking". This results in less noticeable blur in fast moving images because the liquid crystals don't have to double up on frames as they rise and fall.



AMD FreeSync Premium technology

With FreeSync Premium, the monitor's frames are synced with the graphics card's frames, which eliminate screen tearing and delivers very smooth gaming experiences.

Overclock to
170 Hz

Overclock to 170Hz Refresh Rate

The overclock to 170Hz refresh rate speeds up the frames per second to deliver an ultra-smooth 2D motion scenes. With a rapid overclock refresh rate of 170Hz, Acer Gaming Monitors shorten the time it takes for frame rendering, lower input lag and provide gamers an excellent in-game experience.

About Acer

Established in 1976, Acer is an information and communication technology company dedicated to the research, design, marketing, sale and support of innovative products that enhance people's lives. Acer's green supply chain delivers environmentally friendly PCs, displays, projectors, servers, tablets and smartphones — tools our customers need to explore beyond limits and experience more. Ranked No. 3 for notebooks globally (IDC 2012), Acer employs 8,000 people, and 2011 revenues reached US\$15.7 billion. Please visit www.acer.com for more information.

