



Buyers Guide | BTS 2025

Acer® Nitro Monitor
KG270 W3biip



FULL HD
1920X1080

AMD
FreeSync
Premium

240Hz

0.5 Up to
ms



Model	Acer Nitro KG270 W3biip 27-inch Full HD Gaming Monitor
MSRP	\$149.99
On-Shelf Date	September 28, 2025



The Gate of Smooth Gaming

In competitive gaming, every frame matters. Introducing Acer's KG270 gaming monitor - the Full HD resolution monitor that can keep up with your game play. Through AMD FreeSync Premium technology, the game's frame rate is determined by your graphics card, not the fixed refresh rate of the monitor, giving you a serious competitive edge. Plus, users can enjoy comfortable viewing experience while gaming via flicker-less, low dimming and ComfyView display. The design saves space on your desk and lets you place multiple monitors side by side to build a seamless big-screen display.

High Level Specifications

- 27" Full HD (1920 x 1080) Widescreen IPS Monitor
- AMD FreeSync Premium Technology
- ZeroFrame Design
- **Response Time:** 1ms (G to G) - Up to 0.5ms (G to G)
- **Panel Type:** IPS
- **Refresh Rate:** 240Hz
- **Color Saturation:** sRGB 99%
- **Brightness:** 250nits
- Acer VisionCare Technologies
- **Ports:** 1 x Display Port 1.4 and 2 x HDMI 2.0

What's in the Box

- Display
- Stand
- Power Cord
- HDMI Cable

Key Features



AMD
FreeSync
Premium

240Hz **0.5ms** Up to

IPS
In-Plane Switching

ZERO FRAME

Web Description

Acer Nitro KG270 W3biip 27" Full HD (1920 x 1080) IPS Gaming Monitor with AMD FreeSync Premium Technology, 240Hz Refresh Rate, Up to 0.5ms, sRGB 99% (1 x Display Port 1.4 and 2 x HDMI 2.0 Ports)

Features



Quality Visuals

The KG270 27" IPS monitor with 1920 x 1080 Full HD resolution in a 16:9 aspect ratio presents stunning, high quality images with excellent detail. The zero-frame design does away with the thick frames found on conventional monitors freeing up precious screen space.



240Hz Refresh Rate

The 240Hz refresh rate speeds up the frames per second to deliver an ultra-smooth 2D motion scenes. With a rapid refresh rate of 240Hz, Acer Monitors shorten the time it takes for frame rendering, lower input lag and provide gamers an excellent in-game experience.



AMD FreeSync Premium Technology

Say "goodbye" to stuttering and tearing. With AMD FreeSync Premium, the monitor's frames are synced with the graphics card's frames, which eliminates screen tearing and provide the smoothest gaming experience.



Responsive

Up to 0.5ms GTG (Gray to Gray) response time enhanced gamers' in-game experience. No matter the fast-moving action or any dramatic transitions will be all rendered smoothly without the annoying effects of smearing or ghosting with KG270 Gaming Monitor.



ZeroFrame Design

With a Nitro KG270 monitor, you'll want to see as much of the display as possible. Get more monitor real estate with the near bezel-less design, allowing you to see more and do more. The ZeroFrame design lets you place multiple monitors next to each other for a seamless, almost uninterrupted view.



Game View Technology

Acer Game Mode has eight pre-set display modes to optimize the visuals for different types of content: Action, Racing, Sport, User, Standard, ECO, Graphic and Movie. This unique feature can be easily accessed through a hotkey or the On Screen Display (OSD) settings menu.

Acer Nitro KG270 W3biip 27-inch Full HD Gamir

Detailed Product Specifications

Viewable Area

27" Display
16:9 Aspect Ratio

Panel Type

IPS

Resolutions

1920 x 1080 (native and maximum)

Refresh Rate

240Hz

Pixel Pitch

0.311mm

Brightness

250 nits

Contrast Ratio

100 Million:1 MAX (ACM)

Screen Treatment

Antiglare

Response Time

1ms (G to G) - Up to 0.5ms (G to G)

Colors

16.7 million

Viewing Angles

178° Left/Right, 178° Up/Down

User Controls

Power On/Off Button

Signal Inputs

1 x Display Port 1.4
2 x HDMI 2.0

Speakers

Not Available

Electrical Requirements

Normal Operation: <42 Watts
Off (power-save): <1 Watts
100 - 240 VAC, 50/60 Hz

Agency Certifications

UL, cUL, FCC Class B, CE, TUV/GS, VCCI, RoHS, MPRII

Display Stand

Included
Ergonomic Tilt: -5° to 25°

Mount

VESA mounting compliant (100 x 100mm)

Limited Warranty

3 year parts and labor¹

Dimensions (Display with Stand)

24.08" (W) x 18.12" (H) x 8.28" (D)
611.7mm (W) x 460.2mm (H) x 210.3mm (D)

Dimensions (Box)

27.08" (W) x 17.44" (H) x 5.04" (D)
688mm (W) x 443mm (H) x 128mm (D)

Weights

7.54 lbs. | 3.42 kg. Display
12.26 lbs. | 5.56 kg. Box

Pallet Quantity

46 units / pallet

Model Number

KG270 W3biip

UPC

195133321181

Part Number

UM.HX0AA.307



Product specifications subject to change without notice

Actual product may vary from image shown

¹ For a free copy of the standard limited warranty end-users should see a reseller where Acer products are sold or write to Acer America Corporation, Warranty Department, P.O. Box 6137, Temple, TX 76503.

© 2025 Acer Inc. All rights reserved. Acer and the Acer logo are registered trademarks of Acer Inc. Other trademarks, registered trademarks, and/or service marks, indicated or otherwise, are the property of their respective owners. All brands and product names mentioned herein include trademarks of their respective companies and are used solely to describe or identify the products.