acer | VisionCare™ Display

IPS GAMING MONITOR
Nitro XV2 series- XV282K KV

- AMD FreeSync™ Premium Technology

- 3840 x 2160 4K UHD resolution

- 144Hz refresh rate

- 1ms response time

- HDMI 2.1, supports PS5 and XBOX Series X[1]

- HDMI 2.1, supports PC gaming[2]

- 90% DCI-P3 wide color gamut

- Agile-Splendor IPS

- Acer VisionCare 3.0

- TUV/Eyesafe certification

- VESA DisplayHDR™ 400

- No color difference with Delta E<1

- Built-in KVM switch for switching between multiple PCs without changing monitor/keyboard/mouse setup

- Acer Display Widget

UHD 4K2K 3840x2160 | VESA CERTIFIED DisplayHDR™ 400 | AMD FreeSync Premium | 144Hz | DCI-P3 90% | ΔE Delta E<1 | 1ms | 400 Agile-Splendor IPS

TÜVRheinland CERTIFIED | eyesafe DISPLAY LOW BLUE LIGHT COLOR ACCURATE | Acer VisionCare™ 3.0

Specifications

Panel	Model	XV282K KV
	Display Size	28"H
	Maximum Resolution and Refresh Rate	3840x2160 @144Hz
	Panel Type	In-Plane Switching
	Glare	No
	Response Time	1ms (G to G) TBD ms (G to G, Min.)
	Contrast Ratio	100 million:1 max (ACM)
	Brightness	Native: 300nits HDR400 mode: Peak 400nits
	Viewing Angle	178°(H),178°(V)
	Colors/Bit	1.07B/8Bit-Hi-FRC (10Bit with dithering)
	Color gamut	90% DCI-P3
System	Input Signal	HDMI(2.1) + HDMI(2.1) + DisplayPort(1.4) + TYPE C(PD65W)+ USB3.0x4+ USB-B (4down 2up)+SPK + Audio out
	VESA Wall Mounting	100 x 100 mm
	Speaker	2Wx2
	Power Supply (100 - 240 V)	External adaptor
	Tilt/Swivel/Height Adjustment/Pivot	-5° – 25°/360°/120mm/±90°

Feature Highlights

Design
- 4K UHD resolution
- Ergostand
- VESA mount support
- HDMI 2.1, supports PS5 and XBOX Series X at 4K UHD@60Hz/FHD@120Hz with VRR via one HDMI cable
- HDMI 2.1, supports PC gaming at 4K UHD@144Hz with VRR via one HDMI cable

Visual
- AMD Freesync™ Premium technology
- 144Hz refresh rate
- 1ms (G to G) response time
- VESA Display™ HDR 400
- 90% DCI-P3 wide color gamut
- Agile-Splendor IPS
- No color difference with Delta E<1
- Black boost technology

Protective comfort
- Acer VisionCare 3.0
- TUV/Eyesafe certification
- LightSense/ProxiSense/ColorSense
- Acer Flicker-less
- Acer BlueLightShield™ Pro
- Low dimming technology
- Acer ComfyView display

4K UHD resolution

XV2 series brings users into a perfect colorful world with 4K UHD 3840 x 2160, and provides the finest natural and sharp original quality with IPS panel and 100,000,000:1 contrast ratio.

144Hz Refresh Rate

The 144Hz refresh rate speeds up the frames per second to deliver an ultra-smooth 2D motion scenes. With a rapid refresh rate of 144Hz, Acer Gaming Monitors shorten the time it takes for frame rendering, lower input lag and provide gamers an excellent in-game experience.

AMD FreeSync Premium

With AMD FreeSync, the game's frame rate is determined by your graphics card, not the fixed refresh rate of the monitor. This means the monitor's frames are synced with the graphics card's frames, which eliminates screen tearing and delivers very smooth gaming experiences.

Acer VisionCare 3.0

AcerVisionCare™ technology incorporates several features, such as true low blue light panel and many sensors that take into consideration prolonged usage by heavy users such as programmers, writers, and graphic designers to reduce eye strain and provides a more comfortable viewing experience.

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