

# ALIENWARE 500HZ GAMING MONITOR AW2524HF



**THE WORLD'S FASTEST IPS GAMING MONITOR\*— NOW WITH AMD FREESYNC™ PREMIUM**

## ENGINEERED FOR SPEED

The AW2524HF's 500Hz (OC) / 480Hz (native) refresh rate delivers a new category of speed and motion clarity on a Fast IPS panel, making even fast-paced games look supremely fluid, giving players a competitive edge.

The display's Fast IPS panel enables a 0.5ms\*\* GtG (gray-to-gray) response time, virtually eliminating ghosting and blurring for a clear image, even in the fastest-paced games.

And with AMD FreeSync™ Premium technology and VESA AdaptiveSync Display certification, players will experience tear- and stutter-free gaming at high speed, on any modern GPU.

## QUALITY FRONT-OF-SCREEN EXPERIENCE

This speed is achieved on a Fast IPS panel that offers wider viewing angles than competing TN panels, and sRGB 99% color coverage for consistent, accurate colors.

Meanwhile, the TUV-certified ComfortView Plus Low Blue Light hardware solution reduces harmful blue light while maintaining true-to-life colors, so even marathon gaming sessions are easy on the eyes.

## GAMER-CENTRIC DESIGN

The esports-inspired design features a hexagonal base for a smaller desk footprint, and a fully-adjustable stand helps players arrange their PC gaming setup for ultimate comfort and convenience.

And the ingenious retractable headset hanger keeps your gear out of the way when not in use, to achieve that appealing desk aesthetic.



\*Based on internal analysis, June 2023.

\*\* 0.5ms (GtG min), 1ms (GtG most observed) in Extreme mode.



# FEATURES AND TECHNICAL SPECIFICATIONS

## ALIENWARE 500HZ GAMING MONITOR AW2524HF

Diagonal Viewing Size:	62.20 cm 24.5 Inches
Preset Display Area (H x V)	543.74 mm x 302.62 mm 21.40" x 11.91" 164545.63 mm² (255.04 inches²)
Panel Type:	Fast IPS
Display Screen Coating	Antiglare with 3H hardness, Haze 25%
Maximum Preset Resolution	1920 X 1080 at 480Hz (Native with DP) / at 500Hz (OC with DP) 1920 X 1080 at 255Hz (Native with HDMI)
Viewing Angle	178° vertical / 178° horizontal
Pixel Pitch	0.2832 mm x 0.2802mm
Pixel Per Inch (PPI)	90
Contrast Ratio	1000: 1 (typical)
Aspect Ratio	(16:9)
Backlight Technology	White LED edgelight system
Brightness	400 cd/m² (typical)
Response Time(typical)	0.5 ms (gray-to-gray min), 1ms (gray to gray most observed, in Extreme Mode)
Connectivity	2 x DP 1.4 (HDCP 1.4)(Supports up to FHD 1920 x 1080 500 Hz, HDR, VRR) 1 x HDMI 2.1 (HDCP 1.4)(Supports up to FHD 1920 x 1080 255 Hz TMDs, HDR, VRR as per specified in HDMI 2.1) 1 x USB 3.2 Gen1 (5 Gbps) upstream port (Rear) 2 x USB 3.2 Gen1 (5 Gbps) Downstream port (Rear) 2 x USB 3.2 Gen1 (5 Gbps) Downstream port [including one port which supports BC1.2 power-charging] (Bottom)
NVIDIA® Reflex Latency Analyzer	No
NVIDIA® G-SYNC®	No
Ambient Light Sensor	No
AlienFX™ Lighting	No
Adjustability	Height adjustable stand (110 mm) and Height-markers Tilt (-5° to 21°) Swivel (-20° to 20°) Pivot (-90° to 90°) Built in cable-management
Low Blue Light	Yes, ComfortView Plus (TÜV Rheinland - Hardware Solution)
Flicker-free	Yes
ID color variant	Dark Side of the Moon
Specifications - Service / Support Details	3-Year Advanced Exchange Service and Premium Panel Exchange
HDR Support	HDR 10
Calibration Accuracy	Not applicable
Color Support	Color Gamut (typical): sRGB 99% Color Depth: 1.07 Billion colors
Height with stand (Compressed ~ Extended)	390.51 mm ~500.51 mm 15.37 inches~19.71 inches
Width	555.14 mm 21.86"
Depth	243.71 mm 9.60 inches
Height without stand	328.86 mm 12.95"
Width without stand	555.14mm 21.86"
Depth without stand	84.0 mm 3.31"
Weight (panel only - for VESA mount)	3.65 kg 8.05 lb
Weight (with packaging)	9.10 kg 20.06 lb
Built-in Devices	NA
Compliant Standards	Product Safety, EMC and Environmental Datasheets, Dell Regulatory Compliance Home Page, Dell and the Environment
Flat Panel Mount Interface	VESA (100 x 100 mm)
Temperature Range	Operating: 0° to 40°C (32° to 104°F) Non-operating: -20° to 60°C (-4° to 140° F)
Humidity Range	Operating: 10% to 80% (non-condensing) Non-Operating:5% to 90% (non-condensing, storage/shipping)
Altitude	Operating: 5,000 m (16,404 ft) max Non-Operating: 12,192 m (40,000 ft) max
Voltage Required	100 VAC to 240 VAC / 50 Hz or 60 Hz + 3 Hz /1.2 A (typical)
Power Consumption	0.3 W (Off Mode) 0.5 W (Standby Mode) 18.5 W (On Mode) 74 W (Max) 18 W (Pon) 58 kWh (TEC)
Audio Output	No
What's Included	Monitor, Stand riser, Stand base, Power cable (varies by country), 1 x DisplayPort to DisplayPort 1.4 cable (1.80 meters), 1 x USB-C to Display Port 1.4 cable (1.0 meter), 1 x USB 3.2 Gen1(5 Gbps) upstream cable (1.80 meters), Quick start guide, Safety, Environmental, and Regulatory Information, Alienware Sticker

<sup>1</sup>ComfortView Plus feature reduces blue light emission and optimizes eye comfort without compromising color accuracy. <sup>2</sup>Advanced Exchange Service: Replacement part/unit dispatched, if needed, following completion of phone/online diagnosis. Fee charged for failure to return defective unit. Availability varies. Other conditions apply.<sup>3</sup>For a copy of the Limited Hardware Warranty, write Dell USA LP, Attn: Warranties, One Dell Way, Round Rock, TX 78682 or see [Dell.com/warranty](http://Dell.com/warranty).

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