

ALIENWARE 34 CURVED QD-OLED GAMING MONITOR – AW3423DW



INTRODUCING THE WORLD'S FIRST QUANTUM-DOT OLED MONITOR

INFINITELY IMMERSIVE

Quantum Dot Display Technology enables a slim panel design and delivers a superior color performance with a higher peak luminance and greater color gamut range vs WOLED (White OLED) by taking the impressive qualities of OLED (such as true blacks & infinite contrast ratio) and enhances color performance by directly converting blue light into the primary colors of red and green through a Quantum Dot pixel layer. This results in higher color uniformity, wider color coverage and increased brightness.

The monitor features an extensive cinema-grade color coverage of 99.3% DCI-P3 across a wide viewing angle, and colors are accurate out of the box with a factory calibration of Delta E<2.

Combined with 1000 nits peak brightness, infinite contrast ratio and VESA DisplayHDR TrueBlack 400 certification, you can expect incredibly realistic visuals for unforgettably immersive gaming experiences.

STUTTER-FREE SPEED

Experience ultra-low latency gameplay, support for HDR and cinematic color, plus smooth, tear-free gaming thanks to NVIDIA® G-SYNC® ULTIMATE certification.

Additionally, with the industry's fastest 0.1ms GtG (Gray to Gray) response time and up 175Hz (native) high refresh rate, you'll experience smooth gameplay and view fast-moving graphics with incredible clarity for a fast in-game reaction time.

IMPECCABLE DESIGN

The jaw-dropping new design features a sleek QD-OLED curved 1800R panel integrated into the iconic new Legend 2.0 ID, plus customizable stadium loop RGB AlienFX lighting, 360° ventilation for better heat dissipation, improved cable management and a new centralized OSD 5-Axis joystick to make adjusting your settings easier. The height-adjustable stand with height markers and the tilt, swivel, and slant capabilities allow for easy viewing adjustment.

FOR CRITICAL CREATING

For content creators and game developers who require precise color-critical work, the new Creator Mode feature was designed for you. This OSD menu option allows you the flexibility to choose between the native (DCI-P3) and the sRGB color space, depending on your work needs, and the ability to adjust the gamma settings.

QUALITY ASSURANCE GUARANTEED

The new Alienware 34 Curved QD-OLED Gaming Monitor comes with improved OLED reliability and a 3-year premium warranty, including coverage for OLED burn-in, for additional peace of mind.

With TUV-certified ComfortView Plus, you can game longer, thanks to an always on, built-in low-blue light screen technology that reduces blue light emissions without impacting color accuracy.

FEATURES AND TECHNICAL SPECIFICATIONS



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VIEWABLE IMAGE SIZE (diagonal)	86.82 cm (34.18")
ACTIVE DISPLAY AREA (horizontal x vertical)	800.10 mm x 337.10 mm (31.50" x 13.27") / 269,713.71 mm ² (418.01 inches ²)
PANEL TECHNOLOGY	Quantum Dot OLED
MAXIMUM PRE-SET RESOLUTION / REFRESH RATE	3440 x 1440 at 175Hz (Native with DP) / 3440 x 1440 at 100Hz (Native with HDMI)
DISPLAY SCREEN COATING	Anti Reflection
ASPECT RATIO	21:9
PIXEL PITCH / PIXELS PER INCH (PPI)	0.23 mm x 0.23 mm / 110 PPI
CURVED SCREEN	1800R curvature
BRIGHTNESS (typical)	250 cd/m ² (typical); 1000 cd/m ² (peak)
GAMUT (typical)	99.3% DCI-P3/ 149% sRGB
COLOR ACCURACY	Delta E<2
COLOR DEPTH	1.07 billion colors
CONTRAST RATIO (typical)	1 Million : 1
HDR SUPPORTABILITY	VESA DisplayHDR™ 400 True Black
TYPICAL VIEWING ANGLES (vertical / horizontal)	178° / 178°
RESPONSE TIME (typical)	True 0.1ms gray-to-gray
BACKLIGHT	OLED
COMFORTVIEW PLUS ¹ WITH FLICKER-FREE SCREEN	Yes
CONNECTIVITY	2 x HDMI (ver 2.0), 1 x DP (ver 1.4), 2 x SuperSpeed USB 5Gbps (USB 3.2 Gen1) downstream port [Front bottom, one with BC1.2 charging capability at 2A (max)], 2 x SuperSpeed USB 5Gbps (USB 3.2 Gen1) downstream port (rear), 1 x SuperSpeed USB 5Gbps (USB 3.2 Gen1) upstream port (rear), 1 x Audio line-out port (rear), 1 x Headphone-out port (bottom), Security lock slot (based on Kensington Security Slot™)
NVIDIA® G-SYNC® ULTIMATE	Yes, Supports NVIDIA® G-SYNC® ULTIMATE with high refresh rate of 175Hz
PRESET OSD MODES	Creator, FPS, MOBA/RTS, RPG, SPORTS and 3 customizable game modes.
STAND ADJUSTABILITY	Height adjustable stand (110 mm) and Height-markers; Tilt (-5° to 21°); Swivel (-20° to 20°); Slant (-5° to 5°)
ADDITIONAL FEATURES	Stand: Built-in cable management / Display: Ambient light sensor, Downlight
ALIENFX™ LIGHTING	4 zones (Back, Loop, Downlight, Power button) with additional animation for loop lighting
PRODUCT COLOR	Lunar Light
VESA MOUNT COMPATIBLE	(100 mm X 100 mm) using VESA adapter
TEMPERATURE RANGE	Operating: 0° to 40°C (32° to 104°F) / Non-operating: -20° to 60° (-4° to 140° F)
HUMIDITY RANGE	Operating: 10% to 90% (non-condensing) / Non-Operating: 10% to 90% (non-condensing)
ALTITUDE	Operating: 5,000 m (16,404 ft) max / Non-Operating: 12,192 m (40,000 ft) max
POWER	
AC INPUT VOLTAGE/FREQUENCY/CURRENT	100 VAC to 240 VAC / 50 Hz or 60 Hz + 3 Hz / 3 A (typical)
POWER CONSUMPTION	0.3 W (Off Mode) / 0.5 W (Standby Mode) / 42.3 W (On Mode) / 200 W (Max)
DIMENSIONS (HxWxD)	
PANEL ONLY	364.15 mm x 815.25 mm x 137.11mm (14.34" x 32.10" x 5.40")
MONITOR HEAD WITH STAND (compressed / extended height)	415.57 mm / 525.57 mm x 815.25 mm x 305.71 mm (16.36" / 20.69" x 32.10" x 12.04")
WEIGHT	
PANEL ONLY (for VESA)	6.92 kg (15.26 lbs)
MONITOR AND CABLES WITH FULL PACKAGING	15.90 kg (35.05 lbs)
COMPLIANCE STANDARDS	RoHS-compliant, Arsenic-free glass and mercury-free for the panel only, Product Safety, EMC and Environmental Datasheets, Dell Regulatory Compliance Home Page, Dell and the Environment
STANDARD SERVICE PLAN	3-year Advanced Exchange Service ² & Premium Panel Exchange during the Limited Hardware Warranty period even if only one bright pixel is found and also covers burn-in
WHAT'S INCLUDED	Monitor panel, Stand riser, Stand base, Cable cover, VESA adapter, Screw (M4) X 4 (for locking 3rd party arm or wall mount kit on VESA adapter), Power cable (varies by country), 1 x DisplayPort (DP to DP) cable, 1 x Mini-DisplayPort (mDP to DP) cable, 1 X USB 3.2 Gen1 (5 Gbps) upstream cable, Factory calibration report, Quick Start Guide, Safety Information, Alienware Welcome Card

¹ComfortView Plus feature reduces blue light emission and optimizes eye comfort without compromising color accuracy. ²Advanced 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. ³For 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.