ALIENWARE 34 CURVED QD-OLED GAMING MONITOR – AW3423DWF
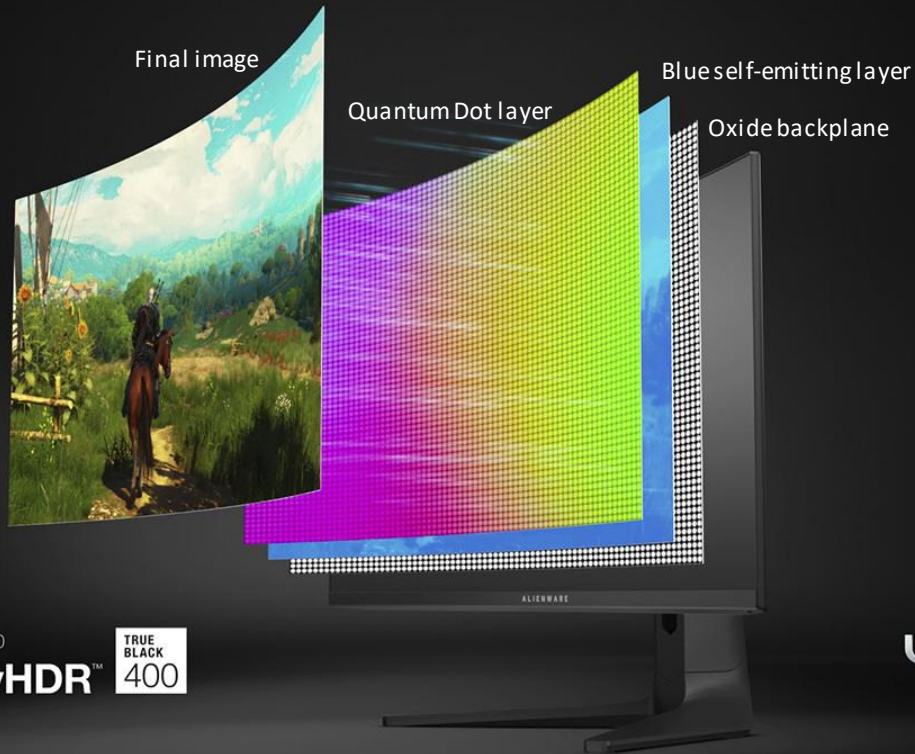

OUR AWARD-WINNING QD-OLED GAMING MONITOR

NOW WITH AMD FREESYNC™ PREMIUM PRO CERTIFICATION

ALIENWARE™

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INFINITELY IMMERSIVE

Final image

Quantum Dot layer

Blue self-emitting layer

Oxide backplane

VESA CERTIFIED
DisplayHDR™

TRUE
BLACK
400

THE
WITCHER®
WILD HUNT

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 high color uniformity, wide color coverage and increased brightness.

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INFINITELY IMMERSIVE

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.

VESA CERTIFIED
DisplayHDR™ | TRUE BLACK 400

1000 NITS

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.

With QD-OLED technology, brightness is perceived nearly twice as high than LCD screens thanks to the deep blacks and subsequent high contrast ratio*.

Source: UHDA via Intechopen

A L I E N W A R E ™

STUTTER-FREE SPEED

Experience ultra-low latency gameplay, support for HDR and cinematic color, plus smooth, tear-free gaming thanks to AMD FreeSync™ Premium Pro Technology and VESA AdaptiveSync Display certification.

VESA CERTIFIED
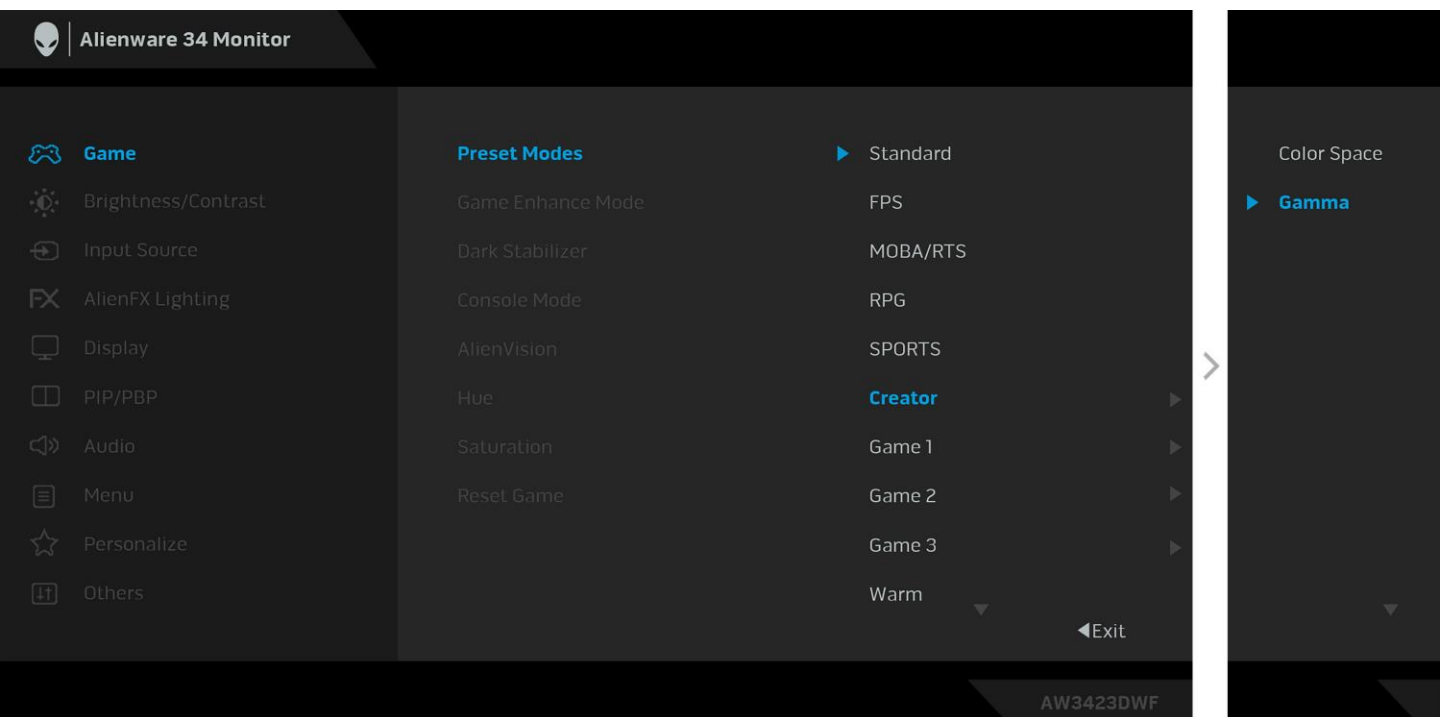**AdaptiveSync** **DISPLAY 165**

AMD
FreeSync
Premium Pro

With the industry's fastest 0.1ms GtG (Gray to Gray) response time and up to 165Hz (native) high refresh rate, you'll experience smooth gameplay and view fast-moving graphics with incredible clarity for a fast in-game reaction time.

A L I E N W A R E ™

IMPECCABLE DESIGN

The jaw-dropping new design features a sleek QD-OLED curved 1800R panel integrated into the iconic new Legend 2.0 ID.

Customizable AlienFX lighting

Height-adjustable stand with tilt, swivel, and slant capabilities

360° ventilation for better heat dissipation

New centralized OSD 5-Axis joystick to make adjusting your settings easier

Improved cable management

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FOR CRITICAL CREATING

👽 **Alienware 34 Monitor**			

Game	**Preset Modes**	▶ Standard	Color Space
Brightness/Contrast	Game Enhance Mode	FPS	▶ **Gamma**
Input Source	Dark Stabilizer	MOBA/RTS	
AlienFX Lighting	Console Mode	RPG	
Display	AlienVision	SPORTS	
PIP/PBP	Hue	**Creator** ▶	
Audio	Saturation	Game 1 ▶	
Menu	Reset Game	Game 2 ▶	
Personalize		Game 3 ▶	
Others		Warm	
		◀Exit	

AW3423DWF

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.

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QUALITY ASSURANCE
GUARANTEED

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.

TÜVRheinland®
CERTIFIED

Flicker Free
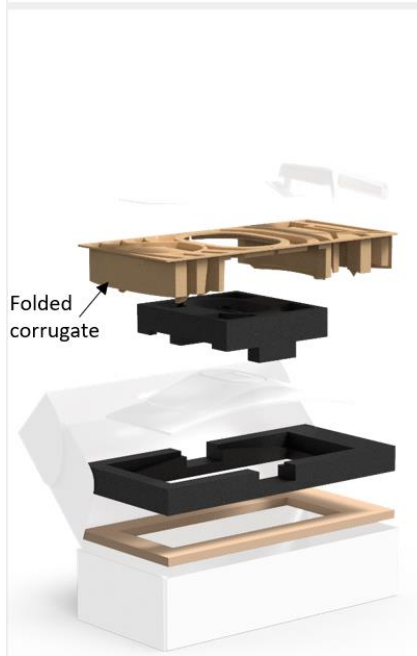Low Blue Light
(Hardware
Solution)

www.tuv.com
ID 1111257739

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.

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SUSTAINABLE PACKAGING

EPE (Current)

EPE + Folded corrugated (Hybrid)

Folded corrugate

Focus on sustainability

In addition to innovation in the monitor technology and design, we looked at our packaging and how we can make it more sustainable.
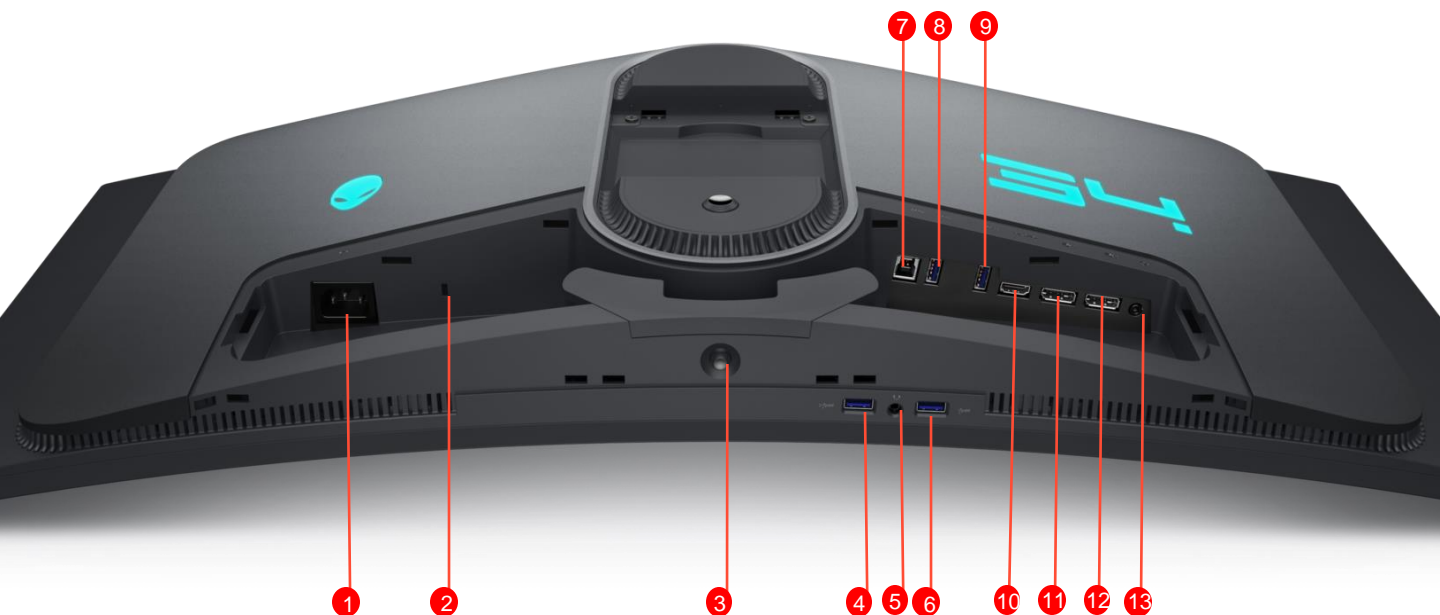
- Reduced EPE foam usage (~50% reduction in EPE vs AW3420DW)
- Removed the plastic clips
- Ocean Bound Plastic handle
- At least 75% recycled cardboard in packaging box
- Reduced complexity & cost saving with 1 global box vs 3 regional boxes

The "lonely whale mark" denotes that the handle is made of Ocean Bound plastic.

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CONNECTIVITY OPTIONS

1. Power Connector | 2. Security Lock Slot | 3. OSD Joystick | 4. SuperSpeed USB 5Gbs (USB 3.2 Gen1) Type-A Downstream Port with Power Charging | 5. Headphone Port | 6. SuperSpeed USB 5Gbs (USB 3.2 Gen1) Type-A Downstream Port | 7. SuperSpeed USB 5 Gbps (USB 3.2 Gen1) Type-B upstream port | 8. SuperSpeed USB 5Gbs (USB 3.2 Gen1) Type-A Downstream Port | 9. SuperSpeed USB 5Gbs (USB 3.2 Gen1) Type-A Downstream Port | 10. HDMI port | 11. DisplayPort (1.4) | 12. DisplayPort (1. 4) | 13. Audio Line -Out Port

Cables Included:

Power Cable (varies by region) | DisplayPort to DisplayPort cable | USB Type-C to DisplayPort Cable | USB 3.2 Gen1 (5Gbs) Upstream Cable

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WHAT IS VESA ADAPTIVESYNC?

The Alienware 34 Curved QD-OLED Gaming Monitor is one of our very first monitors with VESA AdaptiveSync Display certification. VESA AdaptiveSync is the first certified, open-source industry standard for display visual performance on variable refresh rate displays for monitors, laptops, and AIO PCs.

VESA AdaptiveSync is supported by all major graphics card vendors (AMD, NVIDIA, and Intel) over DisplayPort, and the only VRR certification for Intel's new discrete gaming graphics cards (Intel® Arc™ graphics solution).

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DIMENSIONS

Dimensions with Stand: Height (extended): 525.57 mm (20.69 in.) | Height (compressed): 415.57 mm (16.36 in.) | Width: 815.25 mm (32.10 in.) | Depth: 305.71 mm (12.04 in.)

Dimensions without Stand: 1. Height: 364.15 mm (14.34 in.) | 2. Width: 815.25 mm (32.10 in.) | 3. Depth: 127.11 mm (5.0 in.)

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WHY HDMI 2.0 VS 2.1?

The AW3423DWF features an HDMI 2.0 port. But why not HDMI 2.1? It was a conscious decision based on the below factors.

- DisplayPort port is recommended for max performance of this product (up to 165Hz with WQHD resolution) for PC Gaming.

- HDMI 2.1 is not required for console attachment. HDMI 2.0 port on this monitor is sufficient under the restrictions from the console devices (more details below)

    - Both Xbox and PlayStation only support 16:9 aspect ratio and up to 120Hz. 21:9 screen ratio is not supported and hence end-users will see empty black boxes on each side of the WQHD screen of AW3423DWF.

    - When connected to the latest-gen consoles, the AW3423DWF provides the best console experience in QHD at 120Hz.

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FEATURES AND TECHNICAL SPECIFICATIONS

ALIENWARE 34 CURVED QD-OLED GAMING MONITOR – AW3423DWF

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 mm² / 418.01 inches²)
PANEL TECHNOLOGY	Quantum Dot OLED
MAXIMUM PRE-SET RESOLUTION / REFRESH RATE	3440 x 1440 at 165Hz (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/m2 (typical) ; 1000 cd/m2 (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™ True Black 400
TYPICAL VIEWING ANGLES (vertical / horizontal)	178º / 178º
RESPONSE TIME (typical)	True 0.1ms gray-to-gray
BACKLIGHT	OLED
COMFORTVIEW PLUS¹ WITH FLICKER-FREE SCREEN	Yes
CONNECTIVITY	1 x HDMI (ver 2.0), 2 x DP (ver 1.4), 2 x SuperSpeed USB 5 Gbps (USB 3.2 Gen1) downstream port [Front bottom, one with BC1.2 charging capability at 2A (max)], 2 x SuperSpeed USB 5 Gbps (USB 3.2 Gen1) downstream port (rear), 1 X SuperSpeed USB 5 Gbps (USB 3.2 Gen1) upstream port (rear), 1X Audio line-out port (rear), 1 x Headphone-out port (bottom), Security lock slot based on Kensington Security Slot™
AMD FREE-SYNC™ PREMIUM PRO TECHNOLOGY	Yes, Supports AMD Free-Sync™ Premium Pro Technology with high refresh rate of up to 165Hz
VESA ADAPTIVESYNC DISPLAY CERTIFICATION	Yes, Supports VESA AdaptiveSync Display Certification with high refresh rate of upto 165Hz
PRESET OSD MODES	Creator, FPS, MOBA/RTS, RPG, SPORTS, PIP/PBP, Console, AlienVision 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
ALIENFX™ LIGHTING	3 zones (Alien Head, Screen size graphic, Power button)
PRODUCT COLOR	Dark Side of Moon
VESA MOUNT COMPATIBLE	100 mm X 100 mm
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 80% (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) / 34 W (On Mode) / 200 W (Max)
DIMENSIONS (HxWxD) PANEL ONLY MONITOR HEAD WITH STAND (compressed / extended height)	364.15 mm x 815.25 mm x 127.11mm (14.34" x 32.10" x 5.00") 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) MONITOR AND CABLES WITH FULL PACKAGING	6.27 kg (13.82 lbs) 14.57 kg (32.12 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 and Premium Panel Exchange (Including coverage for OLED burn in)
WHAT'S INCLUDED	Monitor, Stand riser, Stand base, Cable cover, Power cable (varies by country), 1 x DisplayPort (DP to DP) cable, 1 x USB Type-C to DP cable, 1 X USB 3.2 Gen1 (5 Gbps) upstream cable, Factory calibration report, Quick Start Guide, Safety Information, Alienware Sticker, Microfiber cloth

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.

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ACCESSORIES

Alienware Low-Profile RGB Mechanical Gaming Keyboard - AW510K

Fly your colors on the battlefield with fully customizable AlienFX low-profile RGB lighting and choose from up to 16.8 million colors per key.

Alienware Tri-Mode Wireless Gaming Headset - AW920H

Get engrossed in your games with Dolby Atmos, 40 mm drivers, Active Noise Canceling technology, and a detachable boom microphone on a comfortable wireless gaming headset that easily connects to your PC, mobile device, or gaming console.

Alienware Tri-Mode Wireless Gaming Mouse - AW720M

Get in the game with a competition-ready wireless mouse featuring lag-free, long lasting performance with magnetic fast-charging in a new, slim design you can take on-the-go.

Alienware S5000 Gaming Chair

The S5000 is truly a gamer's delight and will hit the sweet spot for extreme gamers. The racing-style gaming chair empowers your everyday gaming with the right features and a wide range of adjustability.

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