

# ALIENWARE 34 280HZ QD-OLED GAMING MONITOR

## AW3426DW



### The next generation of QD-OLED.

Brighter, bolder, and with deeper black than ever, AW3426DW makes QD-OLED even better than before.



### Bright, bold colors that don't wash out

The latest 5-stack QD-OLED Penta Tandem technology pushes peak brightness to 1300 nits. With DCI-P3 99% color coverage, Delta E<2 accuracy, VESA DisplayHDR True Black 500, Dolby Vision, and an infinite contrast ratio, colors stay vibrant and accurate even at high brightness levels. A new anti-reflective coating also reduces reflectance by 30%, so blacks stay deep even in rooms with ambient light.

### Fast, responsive, crystal clear motion

A 280Hz refresh rate paired with a 0.03ms response time means motion blur is essentially gone. NVIDIA G-SYNC Compatible, AMD FreeSync Premium Pro, and VESA AdaptiveSync certifications keep frames synced and tear-free whether you're in a competitive shooter or an open-world RPG.

### Clean text on a QD-OLED

The AW3426DW uses an all-new RGB stripe subpixel layout that delivers the best text clarity yet on a QD-OLED. If you're also using this monitor to create, stream, or browse, that matters.

### A design that elevates your setup

The Alienware 30 design language, subtle AlienFX lighting on the logo and power button, 1800R curve, 360-degree ventilation, and simple cable management make this monitor clean and functional on any desk. It's a 21:9 (3440x1440) ultrawide that serves as a window into new worlds with minimal clutter.

### Peace of mind from burn-in

The more efficient Penta Tandem panel inherently reduces burn-in risk by achieving higher brightness with less strain. On top of that, an AI algorithm mitigates burn-in on a pixel-by-pixel basis, a graphite heat-dispersing sheet manages panel temperature, and a 3-year warranty explicitly covers OLED burn-in.

|                                                |                                                                                                                                                                                                                                                               |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Monitor Marketing Name</b>                  | <b>Alienware 34 280Hz QD-OLED Gaming Monitor - AW3426DW</b>                                                                                                                                                                                                   |
| Monitor Color                                  | Interstellar Indigo                                                                                                                                                                                                                                           |
| Diagonal Viewing Size                          | 863.3 mm (34")                                                                                                                                                                                                                                                |
| Aspect Ratio                                   | 21:9                                                                                                                                                                                                                                                          |
| Maximum Preset Resolution (DisplayPort)        | 3440 x 1440                                                                                                                                                                                                                                                   |
| Refresh Rate (DisplayPort)                     | Up to 280 Hz                                                                                                                                                                                                                                                  |
| Maximum Preset Resolution (HDMI)               | 3440 x 1440                                                                                                                                                                                                                                                   |
| Refresh Rate (HDMI)                            | Up to 280 Hz                                                                                                                                                                                                                                                  |
| Panel Type                                     | Quantum Dot-Organic Light-Emitting Diode (QD-OLED) Technology                                                                                                                                                                                                 |
| Viewing Angle (H/V)                            | Horizontal: 178° / Vertical: 178°                                                                                                                                                                                                                             |
| Display Screen Coating                         | Anti-Reflectance (AR) with hard-coating 3H                                                                                                                                                                                                                    |
| Pixel Pitch                                    | Horizontal: 0.2315 mm; Vertical: 0.2315 mm                                                                                                                                                                                                                    |
| Pixel Per Inch (PPI)                           | 110                                                                                                                                                                                                                                                           |
| Contrast Ratio                                 | 1.5 million:1 (typical)                                                                                                                                                                                                                                       |
| Brightness                                     | 300 cd/m <sup>2</sup> (typical); 1300 cd/m <sup>2</sup> (HDR peak at APL 3%)                                                                                                                                                                                  |
| Response Time                                  | 0.03 ms (gray to gray extreme)                                                                                                                                                                                                                                |
| Color Gamut                                    | DCI-P3 99% (CIE 1976) (typical)                                                                                                                                                                                                                               |
| Color Depth                                    | 1.07 billion colors                                                                                                                                                                                                                                           |
| Panel bits                                     | 10-bit                                                                                                                                                                                                                                                        |
| Calibration Accuracy                           | Delta E<2 (average)                                                                                                                                                                                                                                           |
| Variable Refresh Rate                          | AMD FreeSync™ Premium Pro + NVIDIA® G-SYNC™ Compatible + VESA® AdaptiveSync                                                                                                                                                                                   |
| HDR                                            | VESA DisplayHDR True Black 500; Dolby Vision                                                                                                                                                                                                                  |
| Curvature                                      | 1800R                                                                                                                                                                                                                                                         |
| TÜV Rheinland Eye Comfort Certification        | No                                                                                                                                                                                                                                                            |
| Low Blue Light                                 | Hardware Solution Category III                                                                                                                                                                                                                                |
| Flicker Free                                   | Yes                                                                                                                                                                                                                                                           |
| <b>CONNECTIVITY</b>                            |                                                                                                                                                                                                                                                               |
| HDMI (Back)                                    | 2 HDMI ports (HDCP 1.4 and HDCP 2.3) (Supports up to 3440 x 1440, 280 Hz, HDR, VRR, DSC as specified in HDMI 2.1 (FRL))                                                                                                                                       |
| DisplayPort Input                              | 1 DisplayPort 1.4 (HDCP 1.4 and HDCP 2.3) port                                                                                                                                                                                                                |
| USB Type-B (Back)                              | 1 USB Type-B 5Gbps upstream port                                                                                                                                                                                                                              |
| USB Type-A (Front)                             | 1 USB Type-A 5Gbps downstream port                                                                                                                                                                                                                            |
| USB Type-C (Front)                             | 1 USB-C 5Gbps downstream port (Power Charging up to 15 W)                                                                                                                                                                                                     |
| Audio Output                                   | No                                                                                                                                                                                                                                                            |
| Microphone                                     | No                                                                                                                                                                                                                                                            |
| Touchscreen                                    | No                                                                                                                                                                                                                                                            |
| <b>SOFTWARE &amp; FEATURES</b>                 |                                                                                                                                                                                                                                                               |
| Software Compatibility                         | Alienware Command Center (AWCC)                                                                                                                                                                                                                               |
| PbP/PIP                                        | Picture by Picture (PbP)/Picture in Picture (PiP)                                                                                                                                                                                                             |
| Color Calibration with Colorimeter             | No                                                                                                                                                                                                                                                            |
| Remote Control                                 | No                                                                                                                                                                                                                                                            |
| Other Features                                 | Esports mode                                                                                                                                                                                                                                                  |
| Security                                       | Security lock slot (cable lock sold separately)                                                                                                                                                                                                               |
| Platform Supported                             | Windows                                                                                                                                                                                                                                                       |
| Limited Warranty                               | 3 year                                                                                                                                                                                                                                                        |
| Additional Warranty                            | 3-Year Advanced Exchange Service and Premium Panel Exchange (Including coverage for OLED burn in)                                                                                                                                                             |
| <b>PHYSICAL CHARACTERISTICS</b>                |                                                                                                                                                                                                                                                               |
| Stand Height Range                             | 110 mm                                                                                                                                                                                                                                                        |
| Tilt Angle                                     | -5° to 21°                                                                                                                                                                                                                                                    |
| Swivel Angle                                   | -20° to 20°                                                                                                                                                                                                                                                   |
| Pivot Angle                                    | No                                                                                                                                                                                                                                                            |
| Slant Adjust                                   | -5° to +5°                                                                                                                                                                                                                                                    |
| Flat Panel VESA Mount Interface                | 100 mm x 100 mm                                                                                                                                                                                                                                               |
| <b>DIMENSIONS WEIGHT &amp; STAND</b>           |                                                                                                                                                                                                                                                               |
| Bezel Width (Top)                              | 9.40 mm (0.37 in.)                                                                                                                                                                                                                                            |
| Bezel Width (Left/Right)                       | 12.24 mm (0.48 in.)                                                                                                                                                                                                                                           |
| Bezel Width (Bottom)                           | 18.78 mm (0.74 in.)                                                                                                                                                                                                                                           |
| Stand – Height (extended)                      | 447.30 mm (17.61 in.)                                                                                                                                                                                                                                         |
| Stand – Height (compressed)                    | 410.42 mm (16.16 in.)                                                                                                                                                                                                                                         |
| Stand – Width                                  | 270.00 mm (10.63 in.)                                                                                                                                                                                                                                         |
| Stand – Depth                                  | 232.00 mm (9.13 in.)                                                                                                                                                                                                                                          |
| Monitor with stand – Height (extended)         | 555.08 mm (21.85 in.)                                                                                                                                                                                                                                         |
| Monitor with stand – Height (compressed)       | 445.08 mm (17.52 in.)                                                                                                                                                                                                                                         |
| Monitor with stand – Width                     | 814.15 mm (32.05 in.)                                                                                                                                                                                                                                         |
| Monitor with stand – Depth                     | 232.00 mm (9.13 in.)                                                                                                                                                                                                                                          |
| Monitor – Height (Head only)                   | 361.55 mm (14.23 in.)                                                                                                                                                                                                                                         |
| Monitor – Width (Head only)                    | 814.15 mm (32.05 in.)                                                                                                                                                                                                                                         |
| Monitor – Depth (Head only)                    | 111.23 mm (4.38 in.)                                                                                                                                                                                                                                          |
| Weight (with packaging)                        | 12.92 kg (28.48 lb)                                                                                                                                                                                                                                           |
| Weight (with stand and cables)                 | 7.91 kg (17.43 lb)                                                                                                                                                                                                                                            |
| Weight (without stand and cables)              | 4.88 kg (10.77 lb)                                                                                                                                                                                                                                            |
| Weight of stand assembly                       | 2.64 kg (5.82 lb)                                                                                                                                                                                                                                             |
| <b>ELECTRICAL CHARACTERISTICS</b>              |                                                                                                                                                                                                                                                               |
| Voltage Required                               | 100 VAC to 240 VAC/50 Hz or 60 Hz ± 3 Hz/2.8 A                                                                                                                                                                                                                |
| Power Consumption (Off-mode)                   | 0.30 W                                                                                                                                                                                                                                                        |
| Power Consumption (Standby mode)               | 0.50 W                                                                                                                                                                                                                                                        |
| Power Consumption (On mode)                    | 31.00 W                                                                                                                                                                                                                                                       |
| Power Consumption (Max.)                       | 190.00 W                                                                                                                                                                                                                                                      |
| Operating Humidity Range                       | 10% to 80% (non-condensing)                                                                                                                                                                                                                                   |
| Non-operating Humidity Range                   | 5% to 90% (non-condensing)                                                                                                                                                                                                                                    |
| Energy Efficiency Class (A to G)               | F                                                                                                                                                                                                                                                             |
| Operating Altitude                             | 5,000 m (16,404 ft) maximum                                                                                                                                                                                                                                   |
| Non-operating Altitude                         | 12,192 m (40,000 ft) maximum                                                                                                                                                                                                                                  |
| Operating Temperature Range                    | 0°C to 40°C (32°F to 104°F)                                                                                                                                                                                                                                   |
| Non-operating Temperature Range                | -20°C to 60°C (-4°F to 140°F)                                                                                                                                                                                                                                 |
| Country of Origin                              | China and Vietnam                                                                                                                                                                                                                                             |
| Environmental Compliance and Certification     | Restriction of Hazardous Substances (RoHS); BFR/PVC reduce monitor (Circuit boards are made from BFR/PVC-free laminates); Arsenic-Free glass and Mercury-Free for the panel only; ERP Lot 5 (Tier2)                                                           |
| Energy Efficiency Compliance and Certification | Energy-related Products Directive Lot 5 (ErP Lot 5); Korea MEPS; Minimum Energy Performance Standards (MEPS); GS Mark                                                                                                                                         |
| What's Included                                | Monitor with stand; Power cable; 1 DisplayPort-DisplayPort 1.4 cable - 1.80 m; 1 HDMI 2.1 FRL cable - 1.80 m; 1 USB Type A to Type B upstream cable - 1.80 m; Microfiber cloth; QR card; Safety, Environmental, and Regulatory Information; Alienware sticker |