



Eye Comfort on Dell Monitors



With screen time on the rise, eye health is more important than ever. Dell leads the way with monitors designed to reduce strain and enhance comfort for a better viewing experience.

Eye Comfort features

Always on low blue light screen

Research¹ indicates that a monitor with a shifted blue output, shifting the peak blue wavelength to 459 nm, compared to a conventional monitor with a peak blue wavelength of 453 nm can **reduce users’ signs of eye fatigue by 8% after 50 minutes** of performing a search task.

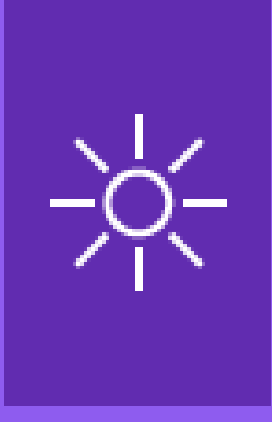
Dell’s Eye Comfort monitors reduce a user’s exposure to harmful blue light (from 415nm to 455nm wavelength) to less than 35%².



Automatic brightness and color adjustment

Research³ indicates that a monitor that adjusts its brightness under different ambient light levels can **reduce the frequency of eye fatigue signs by 7%-17%**, compared to a screen that maintains a constant brightness at all ambient light levels.

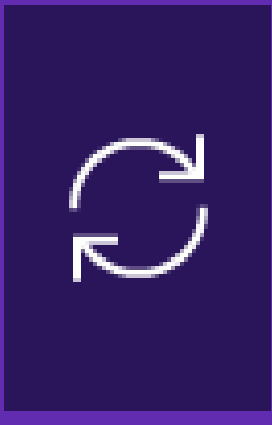
Select Dell UltraSharp monitors automatically adjust screen brightness and correlated color temperature based on ambient conditions.



Higher refresh rate

Research⁴ indicates that a monitor with a screen refresh rate of 120 Hz will be judged as producing **smoother, sharper motion 94% of the time**, compared to a monitor with a refresh rate of 60Hz.




Experience 120 Hz refresh rates with the latest Dell UltraSharp monitors and see the difference.



Eye Comfort Certification

Leading in innovations, Dell UltraSharp monitors are the world’s best eye comfort monitors that reduce 30% more blue light than competition on the market⁶.

Our monitors undergo rigorous testing to meet the different tiers of certification eye comfort certification by TÜV Rheinland.

Certification	Requirements	Dell’s Portfolio
<div>5-star</div> <div></div>	<ul style="list-style-type: none">>120Hz Refresh RateAmbient Light SensorTÜV Rheinland Hardware LBL Category II (≤35%), offered by Dell’s Improved ComfortView Plus⁷Color Coverage: DCI-P3 Min 95% & sRGB Min 95%	<div>Dell UltraSharp Monitors</div> <div>U2724D, U2724DE, U3425WE, U4025QW, U2725QE, U3225QE</div>
<div>4-star</div> <div></div>	<ul style="list-style-type: none">>75Hz Refresh RateTÜV Rheinland Hardware LBL Category II (≤35%), offered by Dell’s Improved ComfortView Plus⁷Color Coverage: sRGB Min 95%	<div>Dell UltraSharp Monitors</div> <div>U2424H, U2424HE</div> <div>Dell Pro Plus Monitors</div> <div>P2425H, U2425HE, P2725H, P2725HE, P2424HEB, P2724HEB, P3424WEB, P2425E, P2425D, P2425DE, P2725D, P2725DE, P2725QE, P3225DE, P3225QE, P3425WE</div>
<div>3-star</div> <div></div>	<ul style="list-style-type: none">>60Hz Refresh RateTÜV Rheinland Hardware LBL Category III (≤50%) offered by Dell’s ComfortView Plus⁸Color Coverage: NTSC Min 72% or sRGB Min 95%	<div>Dell Pro Monitors</div> <div>E2225H,, E2225HS, E2225HM, E2225HSM, E2425H, E2425HSM, E2425HM, E2425HSM, E2725H, E2725HM</div>

Explore more

Click on the following links to explore the latest TÜV Rheinland Eye Comfort 5 Stars monitors.

Dell UltraSharp 32 4K Thunderbolt Hub Monitor - U3225QE	Dell UltraSharp 27 4K Thunderbolt Hub Monitor - U2725QE
Dell UltraSharp 40 Curved Thunderbolt Hub Monitor - U4025QW	Dell UltraSharp 34 Curved Thunderbolt Hub Monitor - U3425WE
Dell UltraSharp 27 Thunderbolt Hub Monitor - U2724DE	Dell UltraSharp 27 Monitor - U2724D

Disclaimers:

Product features may vary by models, please refer to Dell.com for more information. Source: <https://www.delltechnologies.com/asset/en-us/products/electronics-and-accessories/industry-market/estimating-the-benefits-of-advanced-monitor-functionality.pdf>

1. Based on research performed by the Light and Health Research Center, Icahn School of Medicine at Mount Sinai, using a model developed by Chen et al. (2017). Results will vary. Chen et al. (2017): <https://doi.org/10.1002/sdtp.11902>
<https://www.delltechnologies.com/asset/en-us/products/electronics-and-accessories/industry-market/estimating-the-benefits-of-advanced-monitor-functionality.pdf>

2. Based on internal analysis and third-party testing, January 2024.

3. Based on calculations performed by the Light and Health Research Center, Icahn School of Medicine at Mount Sinai, using a model developed by Hou et al. (2021). Results will vary. Hou et al. (2021): <https://doi.org/10.1145/3386569.3392411>
<https://www.delltechnologies.com/asset/en-us/products/electronics-and-accessories/industry-market/estimating-the-benefits-of-advanced-monitor-functionality.pdf>

4. Based on research performed by the Light and Health Research Center, Icahn School of Medicine at Mount Sinai, using a model developed by Denes, et al (2020). Results will vary. Denes et al. (2020) <https://doi.org/10.1145/3386569.3392411>
<https://www.delltechnologies.com/asset/en-us/products/electronics-and-accessories/industry-market/estimating-the-benefits-of-advanced-monitor-functionality.pdf>

5. Based on internal analysis of 27" and 31.5" monitors with eye comfort features, October, 2024

6. Based on third-party research findings of TÜV Low Blue Light CAT 2 vs TÜV Low Blue Light CAT 3 Panel, July 2024