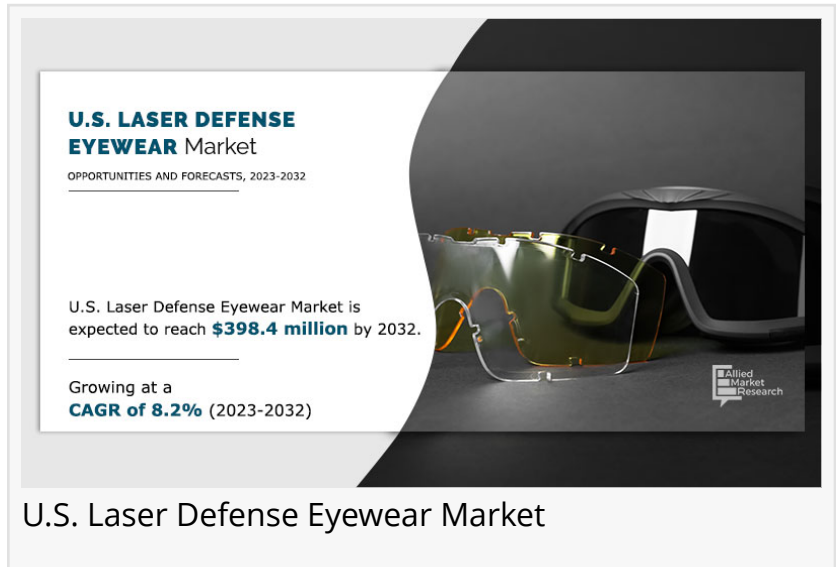


# U.S. Laser Defense Eyewear Market Size, Opportunities & Challenges in Latest Research Report for Business Growth

*By type, the wraparound style segment dominated the market in 2022 in terms of revenue. By end user, military segment led the market in 2022 in terms of revenue*

WILMINGTON, DE, UNITED STATES, June 23, 2025 /EINPresswire.com/ -- [U.S. laser defense eyewear market size](#) was valued at \$183.48 million in 2022, and is projected to reach \$398.42 million by 2032, registering a CAGR of 8.2% from 2023 to 2032.



The laser defense eyewear market in the United States is expected to witness steady growth, primarily driven by increased defense budget allocations and rising government contracts awarded to key manufacturers. These developments have created a favorable environment for the expansion of laser defense eyewear, particularly within military and aviation sectors.

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Laser defense eyewear is a specialized protective solution used by defense personnel to shield their eyes from harmful laser radiation and UV rays. These protective glasses are crucial in preventing partial or permanent eye damage during laser exposure. Technological advancements by industry leaders have led to the development of more effective eyewear tailored for military use, further enhancing the market's potential.

Significant industry progress underscores this trend. For example, in July 2020, Gentex Corporation secured a contract with the U.S. Air Force to supply 10,000 Block III Day Spectacles, which feature advanced laser protective filter technology developed by the Air Force Research Laboratory (AFRL). Similarly, in March 2022, Revision Military introduced new laser eye protection for aviators, developed in collaboration with AFRL, addressing the growing issue of laser strikes reported by the FAA. The increasing frequency of laser attacks on aircraft has become a serious

safety concern. FAA data indicates that laser strikes reached record levels in 2021, up 41% from the previous year, resulting in 244 reported pilot injuries since 2010. These incidents pose significant risks to flight safety and have led to heightened awareness of the importance of laser protection in aviation.

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As a result, demand for laser defense eyewear is rising, not only due to operational needs but also due to greater recognition of its safety benefits. These products effectively filter out hazardous laser wavelengths, offering practical protection for pilots and military personnel alike.

Market growth is further supported by factors such as increasing threats from criminal activities, a rise in pilot injuries linked to laser exposure, and expanding defense modernization programs. However, challenges such as high costs and complex certification requirements may hinder widespread adoption. Nonetheless, growing awareness of eye safety and the expanding use of laser-based technologies in military applications are expected to present significant growth opportunities for the [U.S. laser defense eyewear industry](#) over the forecast period.

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David Correa

Allied Market Research

+ 1800-792-5285

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