

# Low Vision Electronic Glasses Market Projected to Witness a Growth of US \$1.49504678629695 Billion by 2029 | TBRC

*The Business Research Company's Low Vision Electronic Glasses Global Market Report 2025 – Market Size, Trends, And Forecast 2025-2034*

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Forecast: What To Expect By 2025?

In recent times, the market size for low vision electronic glasses has seen a swift expansion. The growth is projected to rise from \$0.87 billion in 2024 to \$0.97 billion in 2025, exhibiting a compound annual growth rate (CAGR) of 11.6%. Factors contributing to this growth during the



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historic period include the escalating occurrence of age-related macular degeneration, a surge in cases of diabetic retinopathy, increased awareness about assistive vision technologies, a rise in government backing for disability aids, and the expansion of vision rehabilitation programs.

The market size for electronic glasses for low vision is set to witness rapid expansion in the forthcoming years, with projections reaching \$1.50 billion by 2029, boasting a compound annual growth rate (CAGR) of 11.4%. This surge in the forecasted period is linked to the increasing

adoption of healthcare-oriented smart wearables, easy availability of affordable electronic glasses, the rise of inclusive and assistive technology policies, growing requirement for hands-free assistive measures, and the rise of e-commerce and online availability of assistive tools. Prominent trends to follow in this period are technological shifts towards lightweight and wearable designs, enhanced vision algorithms customization, development of multi-sensory feedback systems, voice-control interface integration, and advancement in real-time text-to-speech conversion technology.

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### What Are Key Factors Driving The Demand In The Global Low Vision Electronic Glasses Market?

The surge in instances of visual impairments is predicted to spur the expansion of the low vision electronic glasses market. Visual impairments constitute a substantial loss of vision that can't be completely rectified with glasses, contact lenses, medication, or surgery and that impacts an individual's capacity to carry out daily tasks. The increasing occurrence of visual impairments is mainly attributed to aging populations, as the likelihood of eye conditions such as cataracts, glaucoma, and macular degeneration significantly increases with age. Low-vision electronic glasses provide assistance to individuals suffering from visual impairments by boosting leftover vision through magnification, contrast tuning, and real-time image processing, offering greater autonomy in daily activities. For instance, in August 2023, as per the World Health Organization, a Switzerland-based specialized agency of the United Nations for health, worldwide, not less than 2.2 billion people are either near or distant vision impaired. However, it's calculated that merely 36% of individuals with distance vision impairment due to refractive errors and a mere 17% of those impacted by vision impairment owing to cataracts have availed suitable treatment. Consequently, the rising prevalence of visual impairments is fueling the expansion of the low vision electronic glasses market.

### Who Are The Leading Players In The Low Vision Electronic Glasses Market?

Major players in the Low Vision Electronic Glasses Global Market Report 2025 include:

- Eschenbach Optik GmbH
- OrCam Technologies Ltd.
- Soliddd Corp.
- Enhanced Vision Systems Inc.
- Vuzix Corporation
- Zoomax Technology Co. Ltd.
- IrisVision Global Inc.
- Acesight
- Ceciaa SAS
- Envision Technologies BV

### What Are Some Emerging Trends In The Low Vision Electronic Glasses Market?

Primary players in the low vision electronic glasses market are concentrated on creating groundbreaking solutions like artificial intelligence-infused smart glasses. This is aimed at improving visual precision and self-reliance for visually impaired individuals. For instance, in August 2024, Eyedaptic Inc, an American vision technology firm, introduced the EYE6 smart glasses. This sophisticated wearable device designed to aid individuals with central vision loss uses a blend of augmented reality and AI-guided vision improvement to provide real-time image refinement, elevating visual sharpness and contrast for wearers. The glasses are lightweight and discreet, offer hands-free usage, support 99 languages through a multilingual visual assistant, and capabilities such as text reading, environmental description, and assistance with daily

tasks.

## Analysis Of Major Segments Driving The Low Vision Electronic Glasses Market Growth

The low vision electronic glasses market covered in this report is segmented –

- 1) By Product Type: Wearable Glasses, Smart Glasses, Augmented Reality Glasses, Night Vision Glasses
- 2) By Technology: Optical Technology, Digital Technology, Adaptive Technology, Artificial Intelligence Integrated Technology
- 3) By Application: Personal Use, Professional Use
- 4) By Distribution Channel: Online Retail, Offline Retail, Direct Sales, Healthcare Providers
- 5) By End-User: Individuals With Visual Impairments, Healthcare Institutions, Educational Institutions, Occupational Rehabilitation Centers

### Subsegments:

- 1) By Wearable Glasses: Head-Mounted Low Vision Glasses, Clip-on Assistive Glasses, Full-Frame Digital Glasses
- 2) By Smart Glasses: Voice-Controlled Smart Glasses, Bluetooth-Enabled Visual Aid Glasses, Integrated Camera Smart Glasses
- 3) By Augmented Reality Glasses: Augmented Reality Glasses For Object Recognition, Augmented Reality Navigation Assistance Glasses, Augmented Reality Text-to-Speech Glasses
- 4) By Night Vision Glasses: Infrared-Based Vision Glasses, Thermal Imaging Glasses for Low Vision, Low-Light Enhancement Glasses

View the full low vision electronic glasses market report:

<https://www.thebusinessresearchcompany.com/report/low-vision-electronic-glasses-global-market-report>

### Which Region Is Expected To Lead The Low Vision Electronic Glasses Market By 2025?

In the Low Vision Electronic Glasses Global Market Report 2025, North America emerged as the leading region in 2024. It is projected that the fastest-growing region would be Asia-Pacific within the forecasted period. The report covers a comprehensive range of regions which include Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, and Africa.

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