

Global Assistive Technologies for Visually Impaired Market Size Study & Forecast, by Device Form Factor (Hardware Devices, Software Solutions, Hybrid Integrated Solutions) and Technology (Optical, Electronic, AI-based & Computer Vision, Mechanical/Braille) and Regional Forecasts 2025-2035

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Abstracts

The Global Assistive Technologies for Visually Impaired Market is valued approximately at USD 6.34 billion in 2024 and is projected to grow at a CAGR of 12.05% over the forecast period 2025–2035. Assistive technologies for visually impaired individuals encompass a diverse range of devices and software designed to enhance independence, accessibility, and quality of life. These solutions include hardware devices such as wearable navigation aids, electronic readers, and braille displays; software platforms that provide AI-based image recognition and voice-assisted navigation; and hybrid integrated solutions that combine multiple functionalities for comprehensive support. The market growth is primarily driven by rising awareness about visual impairment, advancements in AI and computer vision technologies, and increasing government initiatives to improve accessibility for the visually challenged.

The surge in demand for assistive technologies is significantly fueled by the growing prevalence of visual impairments worldwide, coupled with rapid technological advancements in AI-driven and electronic solutions. According to WHO, an estimated 2.2 billion people suffer from vision impairment globally, with 1 billion cases preventable or yet untreated. This immense need has led to increased adoption of assistive technologies across individuals, educational institutions, rehabilitation centers, and workplaces. Moreover, integration of AI and computer vision into these solutions provides real-time navigation, object recognition, and personalized support, further

expanding their applicability. However, the high cost of advanced devices and limited accessibility in underdeveloped regions may restrain market growth to some extent over the forecast period.

The detailed segments and sub-segments included in the report are:

By Device Form Factor (integrated with Product Type):

Hardware Devices

Software Solutions

Hybrid Integrated Solutions

By End User:

Individuals / Consumers

Educational Institutions

Enterprises & Workplace

Rehabilitation Centers & NGOs

Government Organizations

By Technology:

Optical

Electronic

AI-based & Computer Vision

Mechanical / Braille

Among the end-user segments, individuals/consumers are expected to dominate the market during the forecast period. This segment benefits from the direct need for independence and mobility solutions among visually impaired people. Personal devices, ranging from electronic canes and wearable navigational systems to AI-powered smartphone applications, are increasingly becoming integral tools for daily living. The rising adoption of portable and user-friendly solutions, coupled with growing awareness campaigns and government subsidies, reinforces this segment's market share. While individual consumers lead in adoption, educational institutions and rehabilitation centers are witnessing rapid growth, particularly driven by inclusion programs and specialized training initiatives.

From a product standpoint, hardware devices currently lead the revenue contribution in the global market. Hardware solutions, including braille displays, electronic readers, and navigation aids, remain essential due to their tangible and immediate functionality, reliability, and integration with both software and hybrid solutions. Meanwhile, software solutions and hybrid integrated devices are gaining traction as they offer AI-enabled features, real-time feedback, and enhanced customization for users. The juxtaposition highlights that while hardware remains the backbone of the market, innovation in software and hybrid solutions is increasingly shaping future growth trajectories.

North America dominates the Global Assistive Technologies for Visually Impaired Market in 2025, owing to high awareness, advanced healthcare infrastructure, and government support programs that facilitate accessibility solutions. Europe maintains a significant market presence due to strong public initiatives promoting inclusivity and funding for visually impaired education and rehabilitation. Meanwhile, Asia Pacific is projected to register the fastest growth during the forecast period, driven by a large visually impaired population, rising disposable income, increased technology penetration, and government programs in countries like China and India. Latin America and the Middle East & Africa show moderate growth, supported by gradual adoption of assistive technologies and rising NGO involvement.

Major market players included in this report are:

HumanWare Group

Freedom Scientific (Vispero)

Orcam Technologies

Aira Tech Corp.

Ash Technologies

Sensotec NV

AssistiveWare

National Braille Press

iGaging

Envision Technologies

Optelec

HIMS Inc.

eSight Corporation

RNIB Solutions

Vispero Group

Global Assistive Technologies for Visually Impaired Market Report Scope:

Historical Data – 2023, 2024

Base Year for Estimation – 2024

Forecast period - 2025-2035

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent to up to 8 analysts' working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within the countries involved in the study. The report also provides detailed information about crucial aspects, such as driving factors and challenges, which will define the future growth of the market. Additionally, it incorporates potential opportunities in micro-markets for stakeholders to invest, along with a detailed analysis of the competitive landscape and product offerings of key players. The detailed segments and sub-segments of the market are explained above.

Key Takeaways:

Market Estimates & Forecast for 10 years from 2025 to 2035.

Annualized revenues and regional-level analysis for each market segment.

Detailed analysis of the geographical landscape with country-level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of the competitive structure of the market.

Demand side and supply side analysis of the market.

Contents

CHAPTER 1. GLOBAL ASSISTIVE TECHNOLOGIES FOR VISUALLY IMPAIRED MARKET REPORT SCOPE & METHODOLOGY

- 1.1. Research Objective
- 1.2. Research Methodology
 - 1.2.1. Forecast Model
 - 1.2.2. Desk Research
 - 1.2.3. Top Down and Bottom-Up Approach
- 1.3. Research Attributes
- 1.4. Scope of the Study
 - 1.4.1. Market Definition
 - 1.4.2. Market Segmentation
- 1.5. Research Assumption
 - 1.5.1. Inclusion & Exclusion
 - 1.5.2. Limitations
 - 1.5.3. Years Considered for the Study

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. CEO/CXO Standpoint
- 2.2. Strategic Insights
- 2.3. ESG Analysis
- 2.4. key Findings

CHAPTER 3. GLOBAL ASSISTIVE TECHNOLOGIES FOR VISUALLY IMPAIRED MARKET FORCES ANALYSIS

- 3.1. Market Forces Shaping The Global Assistive Technologies for Visually Impaired Market (2024-2035)
- 3.2. Drivers
 - 3.2.1. The surge in demand for assistive technologies
 - 3.2.2. rapid technological advancements in AI-driven and electronic solutions
- 3.3. Restraints
 - 3.3.1. the high cost of advanced devices and limited accessibility
- 3.4. Opportunities
 - 3.4.1. rising awareness about visual impairment

CHAPTER 4. GLOBAL ASSISTIVE TECHNOLOGIES FOR VISUALLY IMPAIRED INDUSTRY ANALYSIS

- 4.1. Porter's 5 Forces Model
 - 4.1.1. Bargaining Power of Buyer
 - 4.1.2. Bargaining Power of Supplier
 - 4.1.3. Threat of New Entrants
 - 4.1.4. Threat of Substitutes
 - 4.1.5. Competitive Rivalry
- 4.2. Porter's 5 Force Forecast Model (2024-2035)
- 4.3. PESTEL Analysis
 - 4.3.1. Political
 - 4.3.2. Economical
 - 4.3.3. Social
 - 4.3.4. Technological
 - 4.3.5. Environmental
 - 4.3.6. Legal
- 4.4. Top Investment Opportunities
- 4.5. Top Winning Strategies (2025)
- 4.6. Market Share Analysis (2024-2025)
- 4.7. Global Pricing Analysis And Trends 2025
- 4.8. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL ASSISTIVE TECHNOLOGIES FOR VISUALLY IMPAIRED MARKET SIZE & FORECASTS BY DEVICE FORM FACTOR 2025-2035

- 5.1. Market Overview
- 5.2. Global Assistive Technologies for Visually Impaired Market Performance - Potential Analysis (2025)
- 5.3. Hardware Devices
 - 5.3.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035
 - 5.3.2. Market size analysis, by region, 2025-2035
- 5.4. Software Solutions
 - 5.4.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035
 - 5.4.2. Market size analysis, by region, 2025-2035
- 5.5. Hybrid Integrated Solutions
 - 5.5.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035
 - 5.5.2. Market size analysis, by region, 2025-2035

CHAPTER 6. GLOBAL ASSISTIVE TECHNOLOGIES FOR VISUALLY IMPAIRED MARKET SIZE & FORECASTS BY END USER 2025-2035

6.1. Market Overview

6.2. Global Assistive Technologies for Visually Impaired Market Performance - Potential Analysis (2025)

6.3. Individuals / Consumers

6.3.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035

6.3.2. Market size analysis, by region, 2025-2035

6.4. Educational Institutions

6.4.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035

6.4.2. Market size analysis, by region, 2025-2035

6.5. Enterprises & Workplace

6.5.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035

6.5.2. Market size analysis, by region, 2025-2035

6.6. Rehabilitation Centers & NGOs

6.6.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035

6.6.2. Market size analysis, by region, 2025-2035

6.7. Government Organizations

6.7.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035

6.7.2. Market size analysis, by region, 2025-2035

CHAPTER 7. GLOBAL ASSISTIVE TECHNOLOGIES FOR VISUALLY IMPAIRED MARKET SIZE & FORECASTS BY TECHNOLOGY 2025-2035

7.1. Market Overview

7.2. Global Assistive Technologies for Visually Impaired Market Performance - Potential Analysis (2025)

7.3. Optical

7.3.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035

7.3.2. Market size analysis, by region, 2025-2035

7.4. Electronic

7.4.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035

7.4.2. Market size analysis, by region, 2025-2035

7.5. AI-based & Computer Vision

7.5.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035

7.5.2. Market size analysis, by region, 2025-2035

7.6. Mechanical / Braille

7.6.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035

7.6.2. Market size analysis, by region, 2025-2035

CHAPTER 8. GLOBAL ASSISTIVE TECHNOLOGIES FOR VISUALLY IMPAIRED MARKET SIZE & FORECASTS BY REGION 2025–2035

8.1. Growth Assistive Technologies for Visually Impaired Market, Regional Market Snapshot

8.2. Top Leading & Emerging Countries

8.3. North America Assistive Technologies for Visually Impaired Market

8.3.1. U.S. Assistive Technologies for Visually Impaired Market

8.3.1.1. Device Form Factor breakdown size & forecasts, 2025-2035

8.3.1.2. End User breakdown size & forecasts, 2025-2035

8.3.1.3. Technology breakdown size & forecasts, 2025-2035

8.3.2. Canada Assistive Technologies for Visually Impaired Market

8.3.2.1. Device Form Factor breakdown size & forecasts, 2025-2035

8.3.2.2. End User breakdown size & forecasts, 2025-2035

8.3.2.3. Technology breakdown size & forecasts, 2025-2035

8.4. Europe Assistive Technologies for Visually Impaired Market

8.4.1. UK Assistive Technologies for Visually Impaired Market

8.4.1.1. Device Form Factor breakdown size & forecasts, 2025-2035

8.4.1.2. End User breakdown size & forecasts, 2025-2035

8.4.1.3. Technology breakdown size & forecasts, 2025-2035

8.4.2. Germany Assistive Technologies for Visually Impaired Market

8.4.2.1. Device Form Factor breakdown size & forecasts, 2025-2035

8.4.2.2. End User breakdown size & forecasts, 2025-2035

8.4.2.3. Technology breakdown size & forecasts, 2025-2035

8.4.3. France Assistive Technologies for Visually Impaired Market

8.4.3.1. Device Form Factor breakdown size & forecasts, 2025-2035

8.4.3.2. End User breakdown size & forecasts, 2025-2035

8.4.3.3. Technology breakdown size & forecasts, 2025-2035

8.4.4. Spain Assistive Technologies for Visually Impaired Market

8.4.4.1. Device Form Factor breakdown size & forecasts, 2025-2035

8.4.4.2. End User breakdown size & forecasts, 2025-2035

8.4.4.3. Technology breakdown size & forecasts, 2025-2035

8.4.5. Italy Assistive Technologies for Visually Impaired Market

8.4.5.1. Device Form Factor breakdown size & forecasts, 2025-2035

8.4.5.2. End User breakdown size & forecasts, 2025-2035

8.4.5.3. Technology breakdown size & forecasts, 2025-2035

8.4.6. Rest of Europe Assistive Technologies for Visually Impaired Market

- 8.4.6.1. Device Form Factor breakdown size & forecasts, 2025-2035
- 8.4.6.2. End User breakdown size & forecasts, 2025-2035
- 8.4.6.3. Technology breakdown size & forecasts, 2025-2035
- 8.5. Asia Pacific Assistive Technologies for Visually Impaired Market
 - 8.5.1. China Assistive Technologies for Visually Impaired Market
 - 8.5.1.1. Device Form Factor breakdown size & forecasts, 2025-2035
 - 8.5.1.2. End User breakdown size & forecasts, 2025-2035
 - 8.5.1.3. Technology breakdown size & forecasts, 2025-2035
 - 8.5.2. India Assistive Technologies for Visually Impaired Market
 - 8.5.2.1. Device Form Factor breakdown size & forecasts, 2025-2035
 - 8.5.2.2. End User breakdown size & forecasts, 2025-2035
 - 8.5.2.3. Technology breakdown size & forecasts, 2025-2035
 - 8.5.3. Japan Assistive Technologies for Visually Impaired Market
 - 8.5.3.1. Device Form Factor breakdown size & forecasts, 2025-2035
 - 8.5.3.2. End User breakdown size & forecasts, 2025-2035
 - 8.5.3.3. Technology breakdown size & forecasts, 2025-2035
 - 8.5.4. Australia Assistive Technologies for Visually Impaired Market
 - 8.5.4.1. Device Form Factor breakdown size & forecasts, 2025-2035
 - 8.5.4.2. End User breakdown size & forecasts, 2025-2035
 - 8.5.4.3. Technology breakdown size & forecasts, 2025-2035
 - 8.5.5. South Korea Assistive Technologies for Visually Impaired Market
 - 8.5.5.1. Device Form Factor breakdown size & forecasts, 2025-2035
 - 8.5.5.2. End User breakdown size & forecasts, 2025-2035
 - 8.5.5.3. Technology breakdown size & forecasts, 2025-2035
 - 8.5.6. Rest of APAC Assistive Technologies for Visually Impaired Market
 - 8.5.6.1. Device Form Factor breakdown size & forecasts, 2025-2035
 - 8.5.6.2. End User breakdown size & forecasts, 2025-2035
 - 8.5.6.3. Technology breakdown size & forecasts, 2025-2035
- 8.6. Latin America Assistive Technologies for Visually Impaired Market
 - 8.6.1. Brazil Assistive Technologies for Visually Impaired Market
 - 8.6.1.1. Device Form Factor breakdown size & forecasts, 2025-2035
 - 8.6.1.2. End User breakdown size & forecasts, 2025-2035
 - 8.6.1.3. Technology breakdown size & forecasts, 2025-2035
 - 8.6.2. Mexico Assistive Technologies for Visually Impaired Market
 - 8.6.2.1. Device Form Factor breakdown size & forecasts, 2025-2035
 - 8.6.2.2. End User breakdown size & forecasts, 2025-2035
 - 8.6.2.3. Technology breakdown size & forecasts, 2025-2035
- 8.7. Middle East and Africa Assistive Technologies for Visually Impaired Market
 - 8.7.1. UAE Assistive Technologies for Visually Impaired Market

- 8.7.1.1. Device Form Factor breakdown size & forecasts, 2025-2035
- 8.7.1.2. End User breakdown size & forecasts, 2025-2035
- 8.7.1.3. Technology breakdown size & forecasts, 2025-2035
- 8.7.2. Saudi Arabia (KSA) Assistive Technologies for Visually Impaired Market
 - 8.7.2.1. Device Form Factor breakdown size & forecasts, 2025-2035
 - 8.7.2.2. End User breakdown size & forecasts, 2025-2035
 - 8.7.2.3. Technology breakdown size & forecasts, 2025-2035
- 8.7.3. South Africa Assistive Technologies for Visually Impaired Market
 - 8.7.3.1. Device Form Factor breakdown size & forecasts, 2025-2035
 - 8.7.3.2. End User breakdown size & forecasts, 2025-2035
 - 8.7.3.3. Technology breakdown size & forecasts, 2025-2035

CHAPTER 9. COMPETITIVE INTELLIGENCE

- 9.1. Top Market Strategies
- 9.2. HumanWare Group
 - 9.2.1. Company Overview
 - 9.2.2. Key Executives
 - 9.2.3. Company Snapshot
 - 9.2.4. Financial Performance (Subject to Data Availability)
 - 9.2.5. Product/Services Port
 - 9.2.6. Recent Development
 - 9.2.7. Market Strategies
 - 9.2.8. SWOT Analysis
- 9.3. Freedom Scientific (Vispero)
- 9.4. Orcam Technologies
- 9.5. Aira Tech Corp.
- 9.6. Ash Technologies
- 9.7. Sensotec NV
- 9.8. AssistiveWare
- 9.9. National Braille Press
- 9.10. iGaging
- 9.11. Envision Technologies
- 9.12. Optelec
- 9.13. HIMS Inc.
- 9.14. eSight Corporation
- 9.15. RNIB Solutions
- 9.16. Vispero Group

List Of Tables

LIST OF TABLES

Table 1. Global Assistive Technologies for Visually Impaired Market, Report Scope

Table 2. Global Assistive Technologies for Visually Impaired Market Estimates & Forecasts By Region 2024–2035

Table 3. Global Assistive Technologies for Visually Impaired Market Estimates & Forecasts By Segment 2024–2035

Table 4. Global Assistive Technologies for Visually Impaired Market Estimates & Forecasts By Segment 2024–2035

Table 5. Global Assistive Technologies for Visually Impaired Market Estimates & Forecasts By Segment 2024–2035

Table 6. Global Assistive Technologies for Visually Impaired Market Estimates & Forecasts By Segment 2024–2035

Table 7. Global Assistive Technologies for Visually Impaired Market Estimates & Forecasts By Segment 2024–2035

Table 8. U.S. Assistive Technologies for Visually Impaired Market Estimates & Forecasts, 2024–2035

Table 9. Canada Assistive Technologies for Visually Impaired Market Estimates & Forecasts, 2024–2035

Table 10. UK Assistive Technologies for Visually Impaired Market Estimates & Forecasts, 2024–2035

Table 11. Germany Assistive Technologies for Visually Impaired Market Estimates & Forecasts, 2024–2035

Table 12. France Assistive Technologies for Visually Impaired Market Estimates & Forecasts, 2024–2035

Table 13. Spain Assistive Technologies for Visually Impaired Market Estimates & Forecasts, 2024–2035

Table 14. Italy Assistive Technologies for Visually Impaired Market Estimates & Forecasts, 2024–2035

Table 15. Rest Of Europe Assistive Technologies for Visually Impaired Market Estimates & Forecasts, 2024–2035

Table 16. China Assistive Technologies for Visually Impaired Market Estimates & Forecasts, 2024–2035

Table 17. India Assistive Technologies for Visually Impaired Market Estimates & Forecasts, 2024–2035

Table 18. Japan Assistive Technologies for Visually Impaired Market Estimates & Forecasts, 2024–2035

Table 19. Australia Assistive Technologies for Visually Impaired Market Estimates & Forecasts, 2024–2035

Table 20. South Korea Assistive Technologies for Visually Impaired Market Estimates & Forecasts, 2024–2035

.....

List Of Figures

LIST OF FIGURES

- Fig 1. Global Assistive Technologies for Visually Impaired Market, Research Methodology
- Fig 2. Global Assistive Technologies for Visually Impaired Market, Market Estimation Techniques
- Fig 3. Global Market Size Estimates & Forecast Methods
- Fig 4. Global Assistive Technologies for Visually Impaired Market, Key Trends 2025
- Fig 5. Global Assistive Technologies for Visually Impaired Market, Growth Prospects 2024–2035
- Fig 6. Global Assistive Technologies for Visually Impaired Market, Porter’s Five Forces Model
- Fig 7. Global Assistive Technologies for Visually Impaired Market, Pestel Analysis
- Fig 8. Global Assistive Technologies for Visually Impaired Market, Value Chain Analysis
- Fig 9. Assistive Technologies for Visually Impaired Market By Application, 2025 & 2035
- Fig 10. Assistive Technologies for Visually Impaired Market By Segment, 2025 & 2035
- Fig 11. Assistive Technologies for Visually Impaired Market By Segment, 2025 & 2035
- Fig 12. Assistive Technologies for Visually Impaired Market By Segment, 2025 & 2035
- Fig 13. Assistive Technologies for Visually Impaired Market By Segment, 2025 & 2035
- Fig 14. North America Assistive Technologies for Visually Impaired Market, 2025 & 2035
- Fig 15. Europe Assistive Technologies for Visually Impaired Market, 2025 & 2035
- Fig 16. Asia Pacific Assistive Technologies for Visually Impaired Market, 2025 & 2035
- Fig 17. Latin America Assistive Technologies for Visually Impaired Market, 2025 & 2035
- Fig 18. Middle East & Africa Assistive Technologies for Visually Impaired Market, 2025 & 2035
- Fig 19. Global Assistive Technologies for Visually Impaired Market, Company Market Share Analysis (2025)

.....

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