

Wide Field Imaging Device Global Market Insights 2025, Analysis and Forecast to 2030, by Market Participants, Regions, Technology, Application, Product Type

<https://marketpublishers.com/r/W5799EC01273EN.html>

Date: May 2025

Pages: 84

Price: US\$ 3,200.00 (Single User License)

ID: W5799EC01273EN

Abstracts

Wide Field Imaging Devices Market Summary

Introduction

Wide field imaging (WFI) devices, available in tabletop and hand-held types, capture extensive retinal images for diagnosing diabetic retinopathy (7.6 million cases) and retinopathy of prematurity (50,000 cases). These devices enable early intervention. The market is driven by rising vision impairments (2.2 billion cases), diabetes (537 million cases), and aging populations (2.1 billion over 60 by 2050). Innovations like high-resolution imaging boost adoption. The global market is projected to reach between USD 350 million and USD 580 million in 2025, with a CAGR of 6.5% to 8.2% through 2030.

Regional Analysis

North America: The U.S. leads with high diabetic retinopathy prevalence, while Canada focuses on neonatal care.

Europe: Germany, France, and the UK drive demand due to advanced eye care systems.

Asia Pacific: China sees growth from rising diabetes, while India expands neonatal screening.

Rest of the World: Brazil enhances retinal care, and the Middle East invests in diagnostics.

Application Analysis

Specialty Clinics: Expected growth of 6.6%-8.3%, driven by retinal diagnostics. Trends focus on non-invasiveness.

Hospitals: Projected growth of 6.5%-8.2%, linked to complex cases. Developments emphasize scalability.

Ambulatory Surgical Centers: Anticipated growth of 6.7%-8.4%, suited for outpatient care. Advances prioritize portability.

Others: Expected growth of 6.4%-8.1%, covering research. Trends highlight accuracy.

Type Analysis

Tabletop: Expected growth of 6.5%-8.2%, valued for high resolution. Trends highlight clinic integration.

Hand-held: Projected growth of 6.7%-8.4%, key for portability. Advances focus on neonatal screening.

Key Market Players

Leading firms include Carl Zeiss, acquiring D.O.R.C.; Optos, enhancing retinal imaging; Heidelberg Engineering, scaling diagnostics; Centervue S.p.A., focusing on retinopathy; Clarity Medical, offering RetCam; Forus Health Pvt Ltd, targeting affordability; oDocs Eye Care, boosting accessibility; Phoenix Technology Group, advancing imaging; and Epipole, innovating in portability.

Porter's Five Forces Analysis

? Threat of New Entrants: Moderate, due to high R&D and regulatory barriers, though niche innovators can enter.

? Threat of Substitutes: Low, as WFI devices are essential for peripheral retinal imaging

with no direct alternatives.

? Bargaining Power of Buyers: Moderate, with facilities seeking accurate, cost-effective devices, though clinical needs limit options.

? Bargaining Power of Suppliers: Low, with multiple component providers.

? Competitive Rivalry: High, with competition on resolution, portability, and cost.

Market Opportunities and Challenges

Opportunities:

? Diabetic retinopathy (7.6 million cases) and ROP (50,000 cases) drive demand.

? Aging populations (2.1 billion over 60 by 2050) boost needs, while high-resolution imaging enhances adoption.

? Growing neonatal screening increases usage.

Challenges:

? High costs of tabletop devices limit access in low-income regions.

? Regulatory delays for new tech slow growth.

? Limited retinal specialists in rural areas restrict expansion.

Market News

? In April 2024, Carl Zeiss Meditec AG acquired D.O.R.C. to enhance retinal workflow solutions.

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