

Retinal Imaging Devices Market to Gather US\$ 4.75 Bn at a CAGR of 9.5% by 2030: NIDEK Co. Ltd., Optos plc, CenterVue SpA

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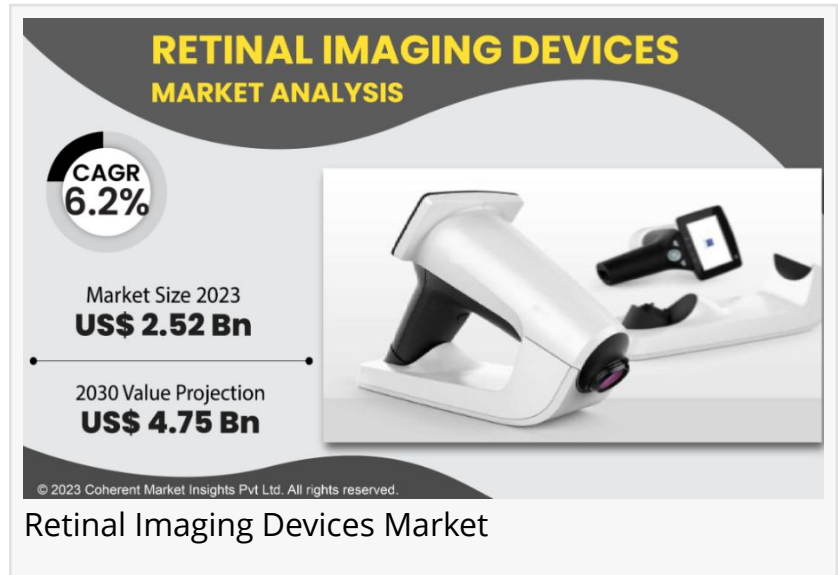
/EINPresswire.com/ -- The [Retinal Imaging Devices Market](#) is estimated to be valued at US\$ 2.52 billion in 2023 and is expected to exhibit a CAGR of 9.5% over the forecast period from 2023 to 2030, as highlighted in a new report published by Coherent Market Insights.

The Retinal Imaging Devices Market consists of devices that are used to capture images of the retina for diagnosing and treating various ophthalmic diseases. These devices play a crucial role in providing early detection and accurate diagnosis of retinal conditions such as diabetic retinopathy, age-related macular degeneration, and glaucoma. With advancements in technology, retinal imaging devices now offer high-resolution images, allowing healthcare professionals to evaluate the retina more effectively. The market is also witnessing a rising demand for portable and handheld devices, making it easier for healthcare professionals to perform retinal imaging in various healthcare settings. With the increasing aging population and the growing burden of ophthalmic diseases, the demand for retinal imaging devices is expected to witness significant growth in the coming years.

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TOP Players in Market Report are: - Carl Zeiss Meditec AG, Topcon Corporation, NIDEK Co. Ltd., Optos plc, CenterVue SpA, Forus Health Pvt Ltd., Eyenuk Inc., Imagine Eyes, Clarity Medical Systems Inc., Optomed Plc

Market Dynamics:



The global retinal imaging devices market is primarily driven by the rising prevalence of ophthalmic diseases, including diabetic retinopathy and age-related macular degeneration. These conditions are the leading causes of blindness worldwide, and early detection plays a crucial role in preventing vision loss. Moreover, the increasing aging population is also contributing to the growth of the market, as age is a significant risk factor for various retinal diseases. Additionally, advancements in retinal imaging technology, such as optical coherence tomography (OCT), are further fueling market growth. OCT provides detailed cross-sectional images of the retina, enabling better diagnosis and monitoring of retinal conditions. Furthermore, the market is also benefiting from the development of portable and handheld devices, which offer convenience and

Retinal Imaging Devices Market Detailed Segmentation:

By Product Type

- Fundus Cameras
- Optical Coherence Tomography Systems
- Fluorescein Angiography Systems
- Ophthalmic Ultrasound Imaging Systems
- Others

By End User

- Hospitals
- Ophthalmic Clinics
- Ambulatory Surgery Centers
- Others

By Application

- Diabetic Retinopathy
- Retinal Detachment
- Age-related Macular Degeneration
- Retinal Vein Occlusion
- Others

Market Drivers for Retinal Imaging Devices Market:

Increasing prevalence of retinal diseases

Retinal diseases such as age-related macular degeneration, diabetic retinopathy, and retinal detachment are becoming increasingly common worldwide. According to the World Health Organization, approximately 196 million people suffer from age-related macular degeneration, and this number is expected to reach 288 million by 2040. The rising prevalence of these diseases is driving the demand for retinal imaging devices, which are essential for the early detection, diagnosis, and monitoring of these conditions. These devices enable healthcare professionals to detect abnormalities in the retina and provide timely treatment, thereby

improving patient outcomes and reducing the burden on healthcare systems.

Retinal imaging devices use advanced technologies such as optical coherence tomography (OCT) and fundus photography to capture high-resolution images of the retina. These images help ophthalmologists and optometrists to assess the condition of the retina, identify potential abnormalities, and develop appropriate treatment plans. As the incidence of retinal diseases continues to rise, the demand for retinal imaging devices is expected to grow significantly, driving market growth.

Technological advancements in retinal imaging devices

The field of retinal imaging has witnessed significant technological advancements in recent years. Manufacturers are constantly investing in research and development to introduce innovative devices that offer enhanced imaging capabilities, improved ease of use, and greater accuracy in diagnosis. For instance, the development of spectral-domain OCT systems has revolutionized retinal imaging by providing higher resolution images and faster scan speeds compared to traditional time-domain OCT.

Furthermore, the integration of artificial intelligence (AI) in retinal imaging devices is transforming the way retinal diseases are diagnosed and managed. AI algorithms can analyze large volumes of retinal images to detect subtle changes and patterns that may indicate the presence of a disease. This not only enhances the efficiency of screening and diagnosis but also enables early detection of retinal diseases, leading to timely intervention and better outcomes for patients.

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Market Restraints for Retinal Imaging Devices Market:

High cost of retinal imaging devices

One of the primary restraints for the retinal imaging devices market is the high cost associated with these devices. Advanced retinal imaging technologies such as OCT and fundus photography require expensive equipment and skilled professionals to operate them effectively. Moreover, retinal imaging devices need regular maintenance and upgrades, further adding to the overall cost of ownership.

The high cost of retinal imaging devices can pose a challenge for healthcare providers, particularly in resource-constrained settings. It may limit the accessibility to these devices in low-income regions and populations, where the burden of retinal diseases is often high.

Furthermore, the reimbursement policies for retinal imaging procedures vary across different healthcare systems, making it difficult for some patients to afford the necessary diagnostic tests.

Limited awareness and expertise in retinal imaging

Despite the growing prevalence of retinal diseases, there is a lack of awareness among the general population about the importance of regular retinal examinations. Many individuals may not realize the need for retinal imaging until they experience symptoms or their condition has already progressed. This lack of awareness and delayed diagnosis can lead to a higher risk of complications and poorer outcomes for patients.

Additionally, there is a shortage of ophthalmologists and optometrists with specialized expertise in retinal imaging. Training healthcare professionals to effectively interpret retinal images and make accurate diagnoses requires dedicated education and practical experience. However, due to the limited availability of specialized training programs, many healthcare professionals may lack the necessary skills to confidently perform and interpret retinal imaging tests.

To address these restraints, efforts should be made to increase awareness about retinal diseases and the importance of regular eye examinations. Governments and healthcare organizations should invest in training programs and facilities to enhance the expertise in retinal imaging. Furthermore, manufacturers should consider developing more cost-effective retinal imaging solutions to improve accessibility in underserved areas.

Key Developments:

In March 2022, Carl Zeiss Meditec AG launched the CIRRUS 6000, a next-generation OCT system for enhanced retinal visualization and workflow efficiency.

In January 2021, Topcon Healthcare launched the OCTA-5000, an OCT angiography device for non-invasive visualization of the retinal vasculature.

In April 2020, NIDEK launched the RS-3000 Advance retinal imaging system with improved OCT image quality and customizable reporting.

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