

Global Optical Coherence Tomography (OCT) Market Size study, by Type (Catheter-based OCT, Handheld OCT Devices, Tabletop OCT Devices) by Application (Ophthalmology, Cardiovascular, Others) by End User (Hospitals, Clinics, Others) and Regional Forecasts 2022-2032

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Abstracts

Global Optical Coherence Tomography (OCT) Market is valued approximately USD 1212.21 Million in 2023 and is anticipated to grow with a healthy growth rate of more than 8.60% over the forecast period 2024-2032. Optical Coherence Tomography (OCT) is a non-invasive imaging technology used in ophthalmology to visualize and analyze the structures within the eye. It provides high-resolution, cross-sectional images of the retina, optic nerve head, and anterior segment of the eye. OCT is used for diagnosis and management of various eye conditions, including macular degeneration, diabetic retinopathy, glaucoma, and retinal vascular diseases. Furthermore, OCT technology continues to evolve rapidly, with ongoing improvements in resolution, speed, and depth penetration. Innovations such as swept-source OCT (SS-OCT) and enhanced depth imaging (EDI) are expanding the capabilities within Global Optical Coherence Tomography (OCT) Market.

The Global Optical Coherence Tomography (OCT) Market is driven by the increasing prevalence of age-related eye conditions such as macular degeneration, diabetic retinopathy, and glaucoma is fueling the demand for OCT imaging for early detection, diagnosis, and disease management. Moreover, rising adoption of OCT in ophthalmic surgeries for guidance and monitoring purposes is contributing to market expansion. In addition, Additionally, the increasing healthcare expenditure, particularly in emerging economies, is facilitating the adoption of advanced medical technologies including

Optical Coherence Tomography (OCT). Additionally, increased government funding and support for advanced medical technologies, along with growing awareness and education about the benefits of OCT, are further propelling market growth. However High initial setup costs and availability of alternative imaging technologies are going to impede the overall demand for the market during the forecast period 2024-2032.

The key regions considered for the Global Optical Coherence Tomography (OCT) Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. In 2023, North America was the largest regional market in terms of revenue owing to factors such as the increasing adoption of advanced imaging systems, alongside a rising prevalence of eye disorders such as diabetic retinopathy, rising healthcare investment are some factors propelling the market expansion. Moreover, the presence of key players offering advanced OCT devices and rising technological advancements is further stimulates this growth across the region. Furthermore, the market in Asia Pacific, on the other hand, is expected to develop at the fastest rate over the forecast period 2024-2032.

Major market player included in this report are:

Abbott Laboratories
Carl Zeiss Meditec AG
OPTOPOL Technology Sp. z o.o
Thorlabs, Inc
NIDEK CO., LTD
Danaher Corporation
Topcon Corporation
Metall Zug AG
Michelson Diagnostics Ltd.
Novacam Technologies, Inc.

The detailed segments and sub-segment of the market are explained below:

By Type

Catheter-based OCT
Handheld OCT Devices
Tabletop OCT Devices

By Application

Ophthalmology
Cardiovascular
Others

By End User:

Hospitals

Clinics

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.
Detailed analysis of 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 competitive structure of the market.
Demand side and supply side analysis of the market.

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