

Global Digital Radiography Market Size Study & Forecast, by Product Type (Computed Radiography, Direct Digital Radiography), Application (General Radiography, Dentistry, Oncology, Orthopedic), End User (Hospital, Clinics, Diagnostic Centers) and Regional Forecasts 2025-2035

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Abstracts

The Global Digital Radiography Market is valued at approximately USD 2.6 billion in 2024 and is anticipated to grow at a CAGR of more than 5.80% during the forecast period 2025-2035. Digital radiography, a transformative innovation within medical imaging, has steadily been replacing traditional film-based techniques due to its efficiency, image clarity, and reduced radiation exposure. Hospitals and diagnostic centers across the globe are embracing this technology to streamline workflows, shorten diagnostic turnaround times, and improve patient outcomes. The increasing prevalence of chronic diseases, coupled with a growing geriatric population, has fueled the demand for advanced diagnostic imaging. Additionally, the healthcare industry's ongoing digitalization drive, supported by favorable government initiatives and investments in modern imaging infrastructure, has further accelerated market growth.

The rising incidence of orthopedic disorders, dental conditions, and cancer has escalated the adoption of digital radiography systems. These devices allow clinicians to capture high-resolution images in real time, minimizing the need for retakes and ensuring greater accuracy in diagnostics. According to WHO, cancer accounted for nearly 10 million deaths in 2022, highlighting the urgent need for advanced imaging techniques in oncology. Similarly, the increasing cases of musculoskeletal injuries and dental procedures have driven healthcare providers to upgrade from conventional imaging modalities to digital systems. Moreover, advancements in detector technologies

and the integration of AI-driven imaging analytics are opening new avenues for precision medicine and early disease detection. However, the relatively high initial investment and maintenance costs of digital radiography equipment, particularly for small clinics and rural healthcare settings, remain a key challenge that could hinder market penetration during the forecast period.

From a geographical perspective, North America dominated the global digital radiography market in 2025, supported by a strong healthcare infrastructure, high adoption of advanced medical technologies, and significant healthcare expenditure. The presence of leading manufacturers and increasing investments in AI-integrated imaging solutions further strengthen the regional outlook. Meanwhile, Asia Pacific is projected to witness the fastest growth throughout the forecast period, driven by surging healthcare demand in rapidly developing economies such as China and India. Rising disposable incomes, government-led initiatives to expand healthcare access, and a growing focus on modernizing diagnostic services are pushing the adoption of digital radiography systems. Europe continues to show steady growth, particularly due to favorable reimbursement frameworks and an emphasis on early disease detection, while Latin America and the Middle East & Africa are gradually embracing digital imaging technologies as healthcare infrastructure evolves.

Major market player included in this report are:

Canon Medical Systems Corporation

Siemens Healthineers AG

GE Healthcare

Konica Minolta, Inc.

Agfa-Gevaert N.V.

Carestream Health, Inc.

Fujifilm Holdings Corporation

Philips Healthcare

Hologic, Inc.

Samsung Medison Co., Ltd.

Hitachi, Ltd.

Varian Medical Systems, Inc.

Shimadzu Corporation

Neusoft Medical Systems Co., Ltd.

PerkinElmer, Inc.

Global Digital Radiography 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 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 below:

By Product Type:

Computed Radiography

Direct Digital Radiography

By Application:

General Radiography

Dentistry

Oncology

Orthopedic

By End User:

Hospital

Clinics

Diagnostic Centers

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

UAE

Saudi Arabia

South Africa

Rest of Middle East & Africa

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 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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