

# **Global Digital Radiology Market Size Study, By Product (Stationary, Portable Digital Radiology Systems), By Application (Cardiovascular Imaging, Chest Imaging, Dental Imaging, Digital Mammography, Orthopedic Imaging, Others), By Technology (Computed Digital Radiology, Direct Digital Radiology), By End User (Hospitals, Diagnostic Clinics, Others), and Regional Forecasts 2022-2032**

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## **Abstracts**

The global digital radiology market, valued at \$1.55 billion in 2023, is projected to reach \$2.11 billion by 2032, registering a CAGR of 3.5% from 2024 to 2032. Digital radiology leverages advanced X-ray imaging techniques to produce high-resolution images for precise diagnosis and treatment planning. Unlike traditional radiographic methods, digital radiology employs X-ray-sensitive plates and computer systems for image capture and analysis, offering reduced radiation exposure, faster image processing, and enhanced diagnostic accuracy.

Key drivers of market growth include the increasing prevalence of chronic diseases such as cancer, cardiovascular disorders, and age-related conditions, coupled with rising adoption of portable radiology systems. Advancements in X-ray technology and growing demand for digital mammography and dental imaging also contribute significantly to market expansion. However, high costs of equipment and limited availability of skilled professionals pose challenges to widespread adoption.

Technological Advancements:

Innovations such as the integration of artificial intelligence (AI) and machine learning in digital radiology systems have revolutionized diagnostic imaging. AI enables enhanced image interpretation, pattern recognition, and predictive analytics, improving diagnostic accuracy and streamlining workflows. Additionally, advancements in detector technology and software have improved image quality, contrast, and sharpness.

#### Increasing Prevalence of Chronic Diseases:

The rising global burden of chronic conditions, including cardiovascular diseases, cancer, and musculoskeletal disorders, is driving the demand for high-quality diagnostic tools like digital radiology. Early detection and precise imaging play a crucial role in managing these conditions, fostering the adoption of advanced radiology systems.

#### Growth in Geriatric Population:

The aging population is more susceptible to age-related health issues, such as osteoporosis, arthritis, and fractures, necessitating frequent imaging examinations. This demographic shift is fueling the demand for digital radiology systems in hospitals, clinics, and diagnostic centers.

#### Rising Demand for Portable Solutions:

Portable digital radiology systems are gaining traction due to their ease of use, flexibility, and ability to provide imaging services in remote or emergency settings. These systems are particularly valuable in mobile healthcare units, disaster relief operations, and field-based healthcare services.

#### Major Market Players

1. Agfa-Gevaert Group
2. Samsung Electronics Co. Ltd
3. Koninklijke Philips N.V.
4. Hitachi, Ltd.
5. Detection Technology Plc

6. Fujifilm Holdings Corporation

7. Medtronic Plc

8. Canon Inc.

9. General Electric Company

10. Siemens Healthineers

The Detailed Segments and Sub-Segments of the Market Are Explained Below

By Product:

Stationary Digital Radiology Systems

Ceiling-Mounted Systems

Floor-to-Ceiling Mounted Systems

Portable Digital Radiology Systems

Handheld Systems

Mobile Systems

By Application:

Cardiovascular Imaging

Chest Imaging

Dental Imaging

Digital Mammography

Orthopedic Imaging

## Other Applications

### By Technology:

Computed Digital Radiology

Direct Digital Radiology

### By End User:

Hospitals

Diagnostic Clinics

Other End Users

### By Region:

North America

U.S.

Canada

Mexico

Europe

Germany

France

UK

Italy

Spain

Rest of Europe

Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America, Middle East & Africa (LAMEA)

Brazil

Saudi Arabia

South Africa

Rest of LAMEA

Years Considered for the Study:

Historical Year – 2022

Base Year – 2023

Forecast Period – 2024 to 2032

Key Takeaways:

*Global Digital Radiology Market Size Study, By Product (Stationary, Portable Digital Radiology Systems), By Ap...*

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

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

Detailed geographical landscape analysis with country-level insights.

Competitive landscape with information on major players in the market.

Strategic business insights and recommendations on future market approaches.

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