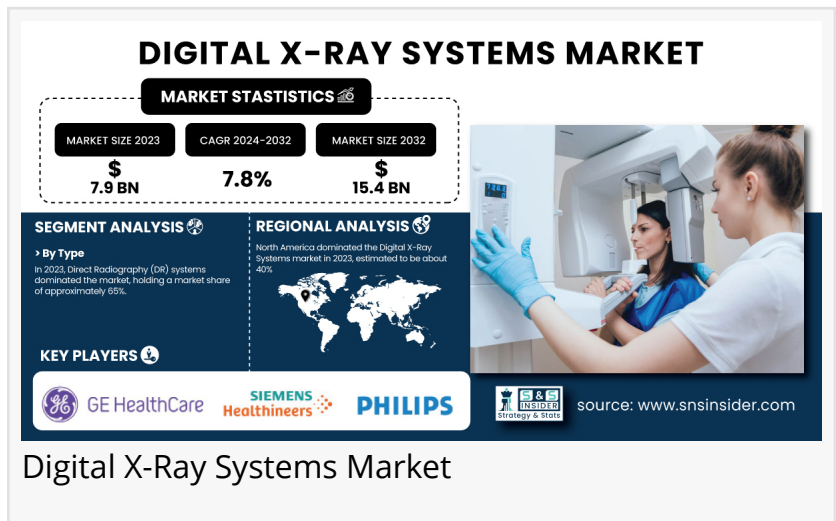


Digital X-Ray Systems Market to Worth USD 15.4 Billion by 2032 | SNS Insider

Digital X-Ray Systems Market Growth is Driven by technological advancements, rising healthcare investments, and increased demand for efficient diagnostics

DIGITAL X-RAY SYSTEMS MARKET , TX, UNITED STATES, February 11, 2025 /EINPresswire.com/ -- According to a report by SNS Insider, the [Digital X-Ray Systems Market](#), valued at USD 7.9 billion in 2023, is projected to reach USD 15.4 billion by 2032, growing at a CAGR of 7.8% during the forecast period 2024-2032. The increasing demand for advanced imaging solutions, the rise in chronic disease prevalence, and technological advancements in digital radiography are key factors fueling this market's expansion.



Prominent companies shaping the Digital X-Ray Systems Market include:

- GE Healthcare
- Siemens Healthineers
- Philips Healthcare
- Canon Medical Systems Corporation
- Fujifilm Holdings Corporation
- Carestream Health
- Hologic, Inc.
- Agfa-Gevaert Group
- Samsung Medison Co., Ltd.
- Konica Minolta Healthcare

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Segment Analysis

By Type, in 2023, Direct Radiography (DR) systems led the market, holding 65% of the market

share.

The primary reasons for preference for DR systems are superior image quality, faster processing times, and lower radiation exposure compared to traditional analog and computed radiography systems. Additionally, the capability of DR systems to integrate directly with Picture Archiving and Communication Systems (PACS) further supports its widespread adoption in medical facilities.

By Technology, Flat Panel Detectors (FPD) were the dominant technology in the Digital X-Ray Systems market in 2023, capturing an estimated 70% market share.

The reasons why FPDs are fast gaining popularity among diagnostic imaging centers and hospitals include higher spatial resolution, low doses of radiation, and rapid image acquisition. Advancements in detector technology, from wireless to portable solutions, provide further impetus for market penetration.

By Portability, Fixed Digital X-Ray Systems accounted for the largest market share in 2023, estimated at around 75%.

Fixed systems are favored in large healthcare facilities for their reliability, high throughput, and ability to perform a broad range of diagnostic procedures. However, mobile and portable systems are gaining popularity. Fixed X-ray systems remain the backbone of hospital radiology departments and diagnostic centers.

By Application, General Radiography remained the dominant application for Digital X-ray systems in 2023, contributing 50% of the market share.

Digital radiography has experienced a rise in demand due to the increasing cases of bone fractures, lung diseases, and orthopedic conditions. The shift from traditional film-based X-ray systems to digital solutions has improved workflow efficiency and reduced operational costs, further contributing to market growth.

By End-User, Hospitals represented the largest share of the Digital X-ray systems market in 2023, accounting for nearly 60% of the market.

The high adoption rate of digital imaging solutions in hospitals is primarily driven by the fact that hospitals require high patient throughput, superior diagnostic accuracy, and streamlined data management. Diagnostic imaging centers and ambulatory surgical centers are the two emerging areas, which would add significant growth contributions due to increasing outpatient-based diagnostic services.

North America dominated the Digital X-Ray Systems market in 2023, holding 40% of the global market share.

It led mainly due to the solid healthcare infrastructure developed in the region, the quick absorption of modern technological advancements in radiology imaging services, and the prevalence of giant corporations in this territory. Other forces driving the sector are increased levels of chronic disease, like heart conditions and cancers, demanding ever-better solutions for diagnostics.

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