

Portable X-ray Devices Market Growth | Trends, Share & Forecast 2025 | DataM Intelligence

Portable X-ray devices market grows with demand for mobile imaging, ease of use, and advances in compact, high-quality diagnostic technology.

AUSTIN, TX, UNITED STATES, May 28, 2025 /EINPresswire.com/ -- Market Overview:

The Global [Portable X-ray Devices Market](#) is experiencing significant growth, projected to expand at a compound annual growth rate (CAGR) of 9.4% from 2024 to 2031. This surge is driven by technological innovations, increasing demand for mobile healthcare solutions, and strategic collaborations among key industry players. Portable X-ray devices, including handheld and mobile systems, are revolutionizing diagnostic imaging by providing flexibility, efficiency, and enhanced patient care across various healthcare settings.

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The Portable X-ray Devices Market is growing due to rising demand for point-of-care diagnostics, mobile healthcare solutions, and advancements in imaging tech.”

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Market Drivers and Opportunities:

Multiple factors are driving the strong growth of the portable X-ray devices market.

Technological Advancements: Integration of artificial

intelligence (AI) and machine learning into portable X-ray systems is enhancing image quality, reducing radiation exposure, and enabling faster diagnostics. For instance, AI-powered



algorithms are improving the detection of pulmonary nodules and accelerating report turnaround times.

Rising Geriatric Population and Chronic Diseases: The aging global population and the increasing prevalence of chronic conditions are driving the demand for portable diagnostic imaging solutions. Portable X-ray devices facilitate timely diagnosis and management of these conditions, particularly in remote and underserved areas.

Government Initiatives and Funding: Substantial investments by governments worldwide are accelerating the development and adoption of portable X-ray technologies. For example, the UK Department of Health and Social Care allocated GBP 36 million to support AI-driven healthcare projects, fostering innovation in diagnostic imaging.

Market Segmentation:

By Type:

Computed Radiography X-Ray Devices

Digital X-Ray Devices

Analog X-Ray Devices.

By Application:

Dental X-Ray

Mammography

Chest X-Ray

Abdomen X-Ray.

By Region:

North America

Latin America

Europe

Asia Pacific

Middle East

Africa.

Geographical Market Share:

North America currently holds the largest market share in the portable X-ray devices sector, owing to advanced healthcare infrastructure and high adoption rates of medical technologies. However, the Asia-Pacific region is anticipated to exhibit the highest growth rate during the forecast period, driven by increasing healthcare investments and the rising demand for mobile imaging solutions in countries like China and India.

Market Key Players:

Leading companies in the portable X-ray devices market are focusing on product innovations and strategic partnerships to strengthen their market position:

Envista Holdings Corporation (KaVo Dental GmbH)

Canon Medical System

GE Healthcare

Koninklijke Philips NV

MinXray

FUJIFILM Holdings Corporation

Shimadzu Corporations

Siemens Healthineers AG

Carestream Health Inc.

Philips Healthcare.

Recent Developments in the United States and Japan:

United States:

Siemens Healthineers: Siemens Healthineers' photon-counting CT scanner, the Naeotom Alpha, faces potential disruptions due to proposed global tariffs, impacting its availability and affordability in the U.S. market.

Oxos Medical: The FDA approved Oxos Medical's MC2 ultraportable X-ray system, a lightweight, cordless gadget that provides digital radiography and fluoroscopy and is appropriate for a variety of clinical settings.

Japan:

Konica Minolta, Inc.: To improve imaging efficiency and flexibility, Konica Minolta introduced the AeroDR TX m01, a portable X-ray system with wireless dynamic digital radiography.

Fujifilm Holdings Corporation: Fujifilm introduced the FDR nano, a mobile digital radiology system that delivers high-resolution images with low X-ray doses, improving patient safety and diagnostic accuracy.

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Conclusion:

The portable X-ray devices market is poised for substantial growth, driven by technological advancements, increasing demand for mobile healthcare solutions, and strategic collaborations among key industry players. As healthcare providers continue to prioritize patient-centered care and efficient diagnostics, portable X-ray systems are becoming indispensable tools in modern

medical practice.

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