

Global Forensic Imaging Market Size Study, By Modality (X-ray, CT, Ultrasound, MRI), By Application (Death Investigations, Clinical Studies), By End-use (Forensic Institutes, Hospitals, Others), and Regional Forecasts 2022-2032

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Abstracts

The global forensic imaging market was valued at approximately USD 84.34 million in 2023 and is expected to expand at a healthy CAGR of 10.5% over the forecast period 2024-2032. The increasing adoption of non-invasive autopsy methods such as virtual autopsy (virtopsy) is propelling the demand for forensic imaging solutions. Traditional autopsy procedures often face cultural and religious opposition, whereas digital imaging techniques, including computed tomography (CT) and magnetic resonance imaging (MRI), provide an efficient, accurate, and minimally invasive alternative. With an escalating crime rate and advancements in imaging modalities, forensic institutes, law enforcement agencies, and hospitals are increasingly adopting forensic imaging solutions for criminal investigations and post-mortem examinations.

The growing inclination toward digital forensics and the integration of artificial intelligence (AI) in forensic imaging are key factors contributing to market growth. AI-powered imaging tools enhance the interpretation of forensic scans by improving image resolution, pattern recognition, and anomaly detection, thereby assisting forensic pathologists in making precise evaluations. Moreover, the shift toward digitized evidence storage enhances data security, reduces tampering risks, and enables seamless sharing of forensic reports among medical and legal professionals. Additionally, the rise in forensic research activities and increased government funding for forensic science development are expected to fuel market expansion.

Regionally, Europe dominated the forensic imaging market in 2023, attributed to the

early adoption of virtual autopsies and strong forensic infrastructure in countries such as the UK, Germany, and France. The presence of state-of-the-art forensic laboratories and collaboration between forensic institutes and legal authorities drive the region's growth. Meanwhile, North America is witnessing significant growth due to the increasing number of unexplained deaths, advancements in forensic technology, and the widespread implementation of forensic imaging in medical examiner offices. The U.S. remains a leading market, with strong regulatory support and ongoing investments in forensic pathology. The Asia Pacific region is projected to register the highest CAGR during the forecast period, owing to expanding forensic capabilities, growing crime rates, and improving healthcare infrastructure in countries like Japan, China, and India.

The forensic imaging industry is highly competitive, with key players focusing on technological advancements, strategic acquisitions, and collaborations to strengthen their market presence. Companies such as Canon Medical Systems Corporation, Neusoft Corporation, Shimadzu Corporation, and Siemens Healthineers are at the forefront of innovation, continuously enhancing imaging modalities to improve forensic investigations. Recent developments in forensic imaging, such as AI-based image reconstruction and 3D virtual autopsy tools, are expected to create new opportunities for market players.

Major Market Players Included in This Report Are:

Canon Medical Systems Corporation

Neusoft Corporation

Siemens Healthineers

GE Healthcare

Shimadzu Corporation

FUJIFILM

Hitachi, Ltd.

Toshiba Medical Systems, Inc.

Bruker

Hologic, Inc.

Koninklijke Philips N.V.

Lodox Systems

Digirad Corporation

United Imaging Healthcare Co., Ltd.

General Atomics Electromagnetic Systems

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

By Modality:

X-ray

Computed Tomography (CT)

Ultrasound

Magnetic Resonance Imaging (MRI)

By Application:

Death Investigations

Clinical Studies

By End-use:

Forensic Institutes

Hospitals

Others

By Region:

North America:

U.S.

Canada

Mexico

Europe:

UK

Germany

France

Italy

Spain

Sweden

Norway

Denmark

Asia Pacific:

China

Japan

India

South Korea

Thailand

Australia

Latin America:

Brazil

Argentina

Middle East & Africa:

South Africa

Saudi Arabia

UAE

Kuwait

Years Considered for the Study:

Historical Year – 2022

Base Year – 2023

Forecast Period – 2024 to 2032

Key Takeaways:

Market estimates & forecasts 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 market insights.

Competitive landscape with information on major market players.

Analysis of key business strategies and recommendations on future market approaches.

Demand-side and supply-side analysis of the market.

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