

Global X-Ray Detector Market: Analysis By  
Technology (Flat panel detector, Computed  
Radiography, Line Scan detector and CCD  
detector), By Application (Medical, Industrial,  
Security and Veterinary), By Region Size &  
Forecast with Impact Analysis of COVID-19  
and Forecast up to 2027

November 2022



# Global X-Ray Detector Market: Coverage

Executive Summary and Scope

Introduction/Market Overview

Global Market Analysis

Regional Market Analysis

Impact of COVID

Dynamics

Competitive Landscape

Company Profiling

# Global X-Ray Detector Market: Coverage

## Scope of the Report

Attributes	Details
Title	Global X-Ray Detector Market: Analysis By Technology (Flat panel detector, Computed Radiography, Line Scan detector and CCD detector), By Application (Medical, Industrial, Security and Veterinary), By Region Size & Forecast with Impact Analysis of COVID-19 and Forecast up to 2027
Coverage	Global and Regional
Market Influencing Variables	Growth Drivers, Challenges, Market Trends
Forecast Period of Market	2022-2027
Competition in the Market	Moderately Fragmented
Key Players	Varex Imaging Corporation, Agfa-Gevaert N.V. (Agfa), Hamamatsu Photonics K.K, FUJIFILM Holdings America Corporation, Konica Minolta, Inc., Teledyne Dalsa, Canon Medical Systems Corporation, Rayence Inc., Vieworks Co., Ltd., Carestream Health, Analogic Corporation, Careray Digital Medical Technology Co., Ltd., iRay Technology Company Limited and Trixell Organization

# Global X-Ray Detector Market: Coverage

## Executive Summary

X-rays are a form of electromagnetic radiation used to produce images of internal tissues, bones, and organs on film or digital media. They are utilized in various diagnostic procedures, such as arteriograms, computed tomography (CT) scans, fluoroscopy, mammography, and angiography. Global X-Ray Detector market in 2021 was valued at US\$5.54 billion. The market is expected to reach US\$7.86 billion by 2027, growing at a CAGR of 6.01% during the forecast period of 2022-2027.

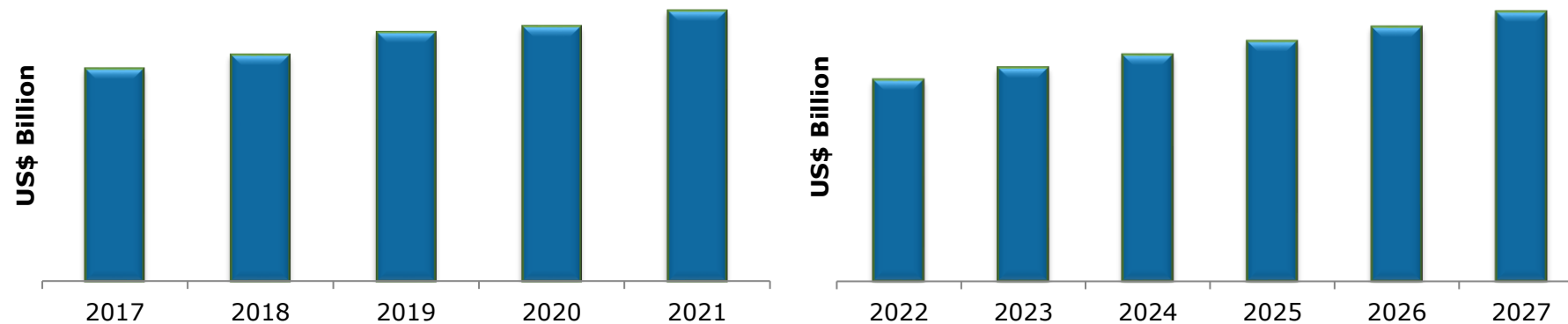
The global x-ray detector market can be segmented based on Application (Medical, Industrial, Security and Veterinary); and Technology (Flat Panel Detector, Computed Radiography, Line Scan Detector and CCD Detector). Medical segment held majority of the market share in 2021, on account of growing geriatric population, increasing number of orthopedic, mammography and cardiovascular procedures and technological advancements in x-ray devices. North America is leading the global x-ray detector market by occupying more than one-third of the market share.

COVID-19 had a short-term impact on global x-ray detectors, but it is expected to have no long-term impact. In the short term, elective procedures were delayed because countries diverted their healthcare resources to combat the pandemic. The market's supply chain was disrupted as many countries went into lockdown, preventing manufacturers from transporting devices. However, the market recovered due to increased demand for x-ray detectors, and various trends were observed in markets such as security, industrial, and so on.

The global x-ray detector market has increased in 2021. The projections are made that the market would rise in the next five years i.e. 2022-2027 tremendously. The global x-ray detector market is expected to increase due to growing geriatric population, upsurge in healthcare expenditure, surge in various diseases, uses of x-ray detectors in different industries, rise in demand for digital imaging technology, favorable reimbursement policies for x-ray diagnostics, etc. Yet the market faces some challenges such as high cost of x-ray test equipment, health hazards of full body scanning, etc. Moreover, the market growth would succeed to various market trends like wireless x-ray detectors, artificial intelligence in radiology for x-ray and CT scan image analysis, flexible x-ray detectors made from metal-organic frameworks, robotic x-ray imaging system (RTG), etc.

# X-Ray Detector Market: Global Analysis

## Global X-Ray Detector Market by Value

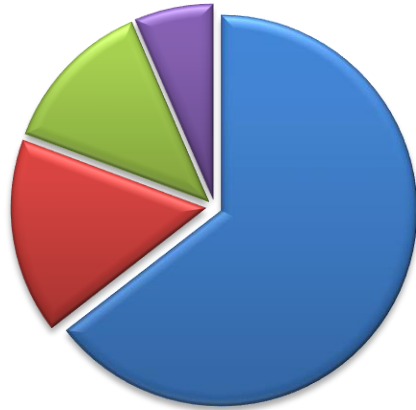


CAGR	
2017-2021	xx%
2022-2027	xx%

The global x-ray detector market valued at US\$... billion in 2021, increased as compared to US\$... billion in 2020. Global x-ray detector market is anticipated to reach up to US\$... billion by 2027, at a CAGR of ....%, from US\$... billion in 2022.

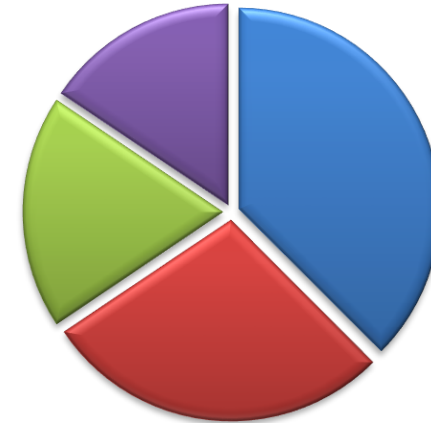
# X-Ray Detector Market: Global Analysis

Global X-Ray Detector Market by Application; 2021



Application	Share
Medical	xx%
Industrial	xx%
Security	xx%
Veterinary	xx%

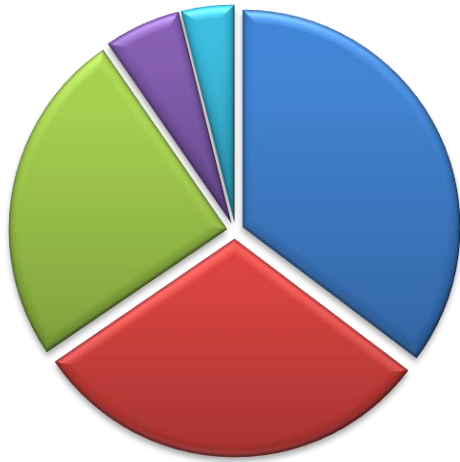
Global X-Ray Detector Market by Technology; 2021



Technology	Share
Flat Panel Detector	xx%
Computed Radiography	xx%
Line Scan Detector	xx%
CCD Detector	xx%

# X-Ray Detector Market: Global Analysis

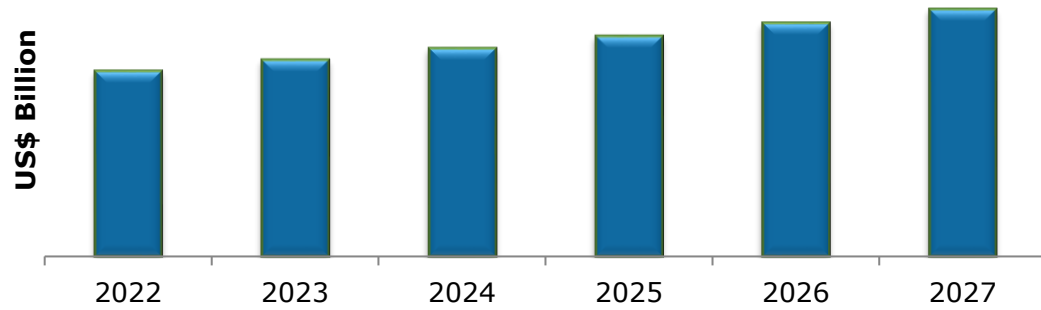
**Global X-Ray Detector Market by Region; 2021**



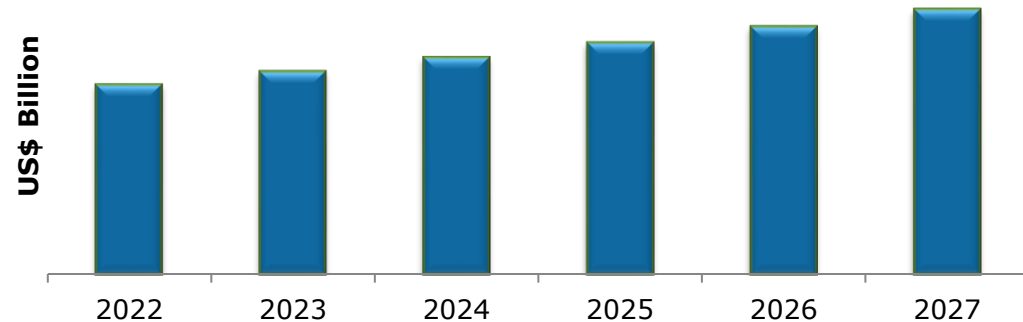
Regions	Share
North America	xx%
Europe	xx%
Asia Pacific	xx%
Latin America	xx%
Middle East and Africa	xx%

# Global X-Ray Detector Market: Application Analysis

Global Medical X-Ray Detector Market by Value



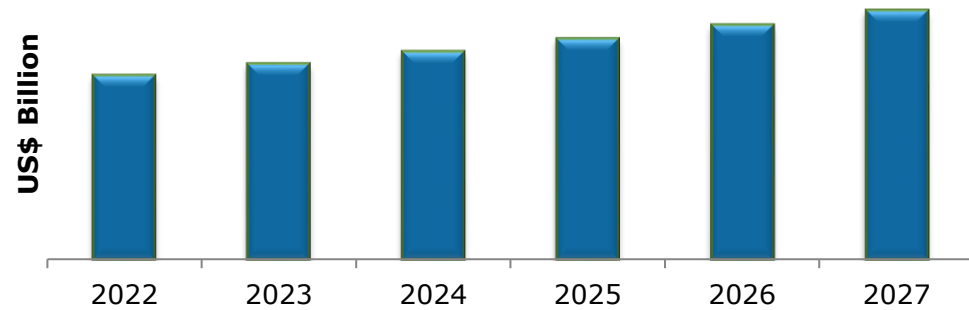
Global Industrial X-Ray Detector Market by Value



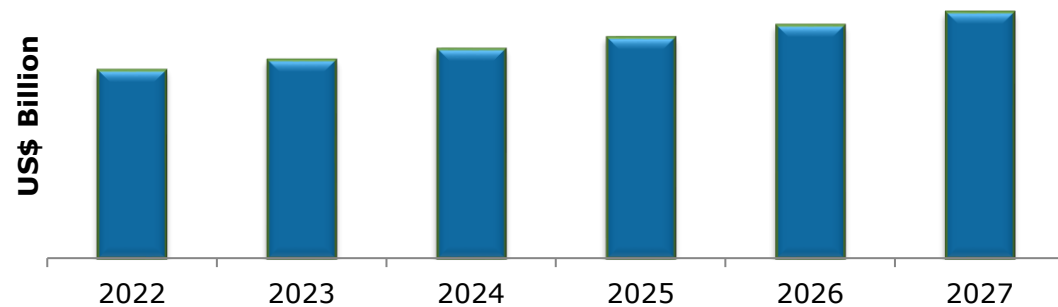
Application	CAGR (2017-2021)	CAGR (2022-2027)
Medical	xx%	xx%
Industrial	xx%	xx%
Security	xx%	xx%
Veterinary	xx%	xx%

# Global X-Ray Detector Market: Technology Analysis

Global Flat Panel Detector Market by Value



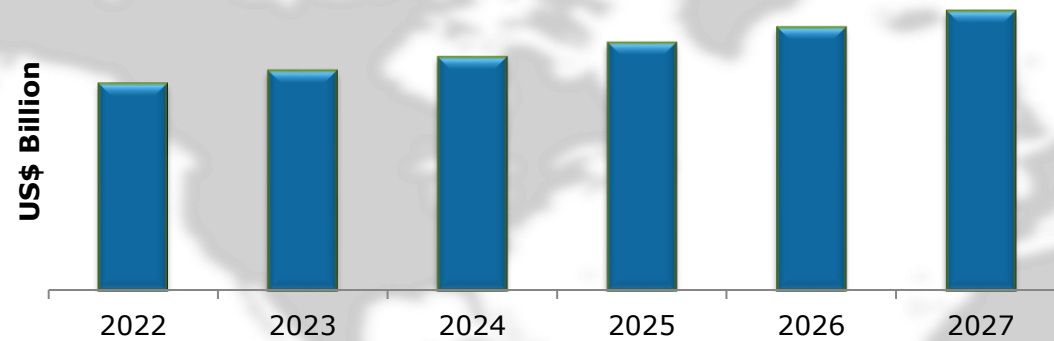
Global Computed Radiography Market by Value



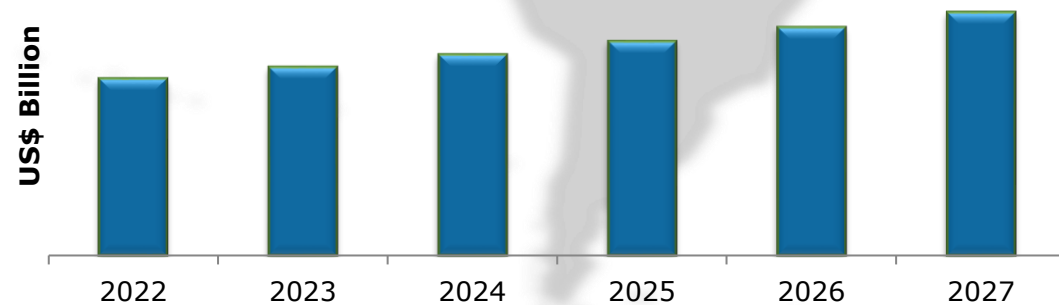
Technology	CAGR (2017-2021)	CAGR (2022-2027)
Flat Panel Detector	xx%	xx%
Computed Radiography	xx%	xx%
Line Scan Detector	xx%	xx%
CCD Detector	xx%	xx%

# X-Ray Detector Market: Regional Analysis

## North America X-Ray Detector Market by Value



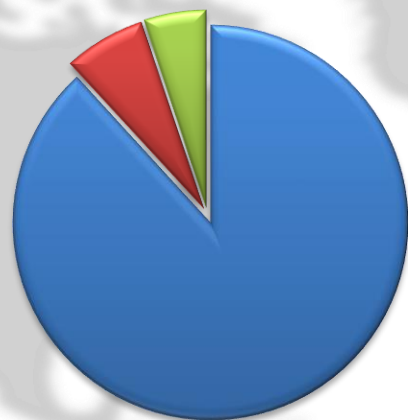
## Asia Pacific X-Ray Detector Market by Value



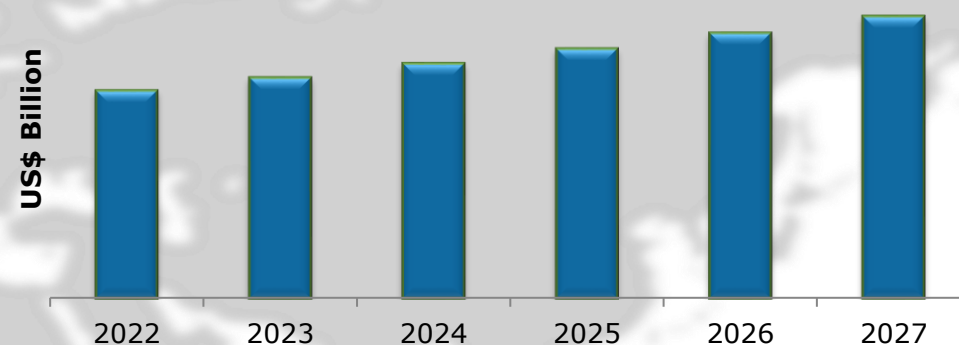
Regions	CAGR (2017-2021)	CAGR (2022-2027)
North America	xx%	xx%
Europe	xx%	xx%
Asia Pacific	xx%	xx%
Latin America	xx%	xx%
Middle East and Africa	xx%	xx%

# North America X-Ray Detector Market: Analysis

## North America X-Ray Detector Market by Region; 2021



## The US X-Ray Detector Market by Value



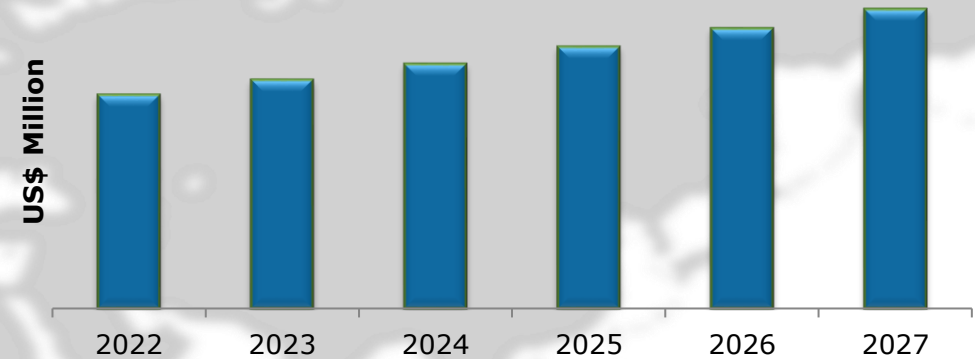
Region	Share	CAGR (2017-2021)	CAGR (2022-2027)
The US	xx%	xx%	xx%
Canada	xx%	xx%	xx%
Mexico	xx%	xx%	xx%

# Asia Pacific X-Ray Detector Market: Analysis

Asia Pacific X-Ray Detector Market by Region; 2021



China X-Ray Detector Market by Value



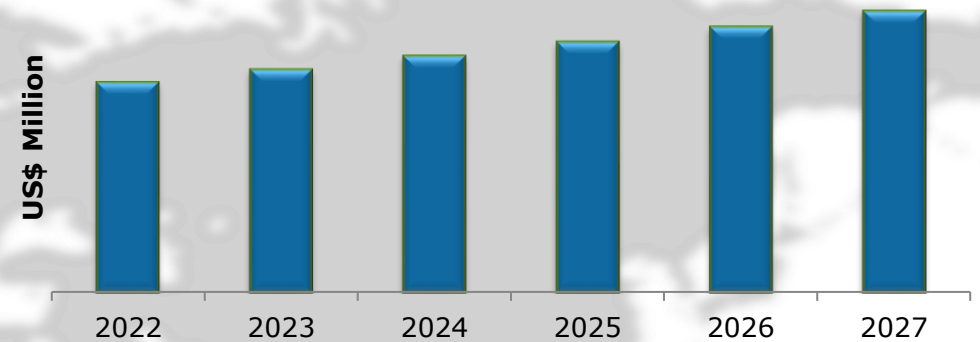
Region	Share	CAGR (2017-2021)	CAGR (2022-2027)
China	xx%	xx%	xx%
Japan	xx%	xx%	xx%
India	xx%	xx%	xx%
South Korea	xx%	xx%	xx%
Rest of Asia Pacific	xx%	xx%	xx%

# Europe X-Ray Detector Market: Analysis

## Europe X-Ray Detector Market by Region; 2021

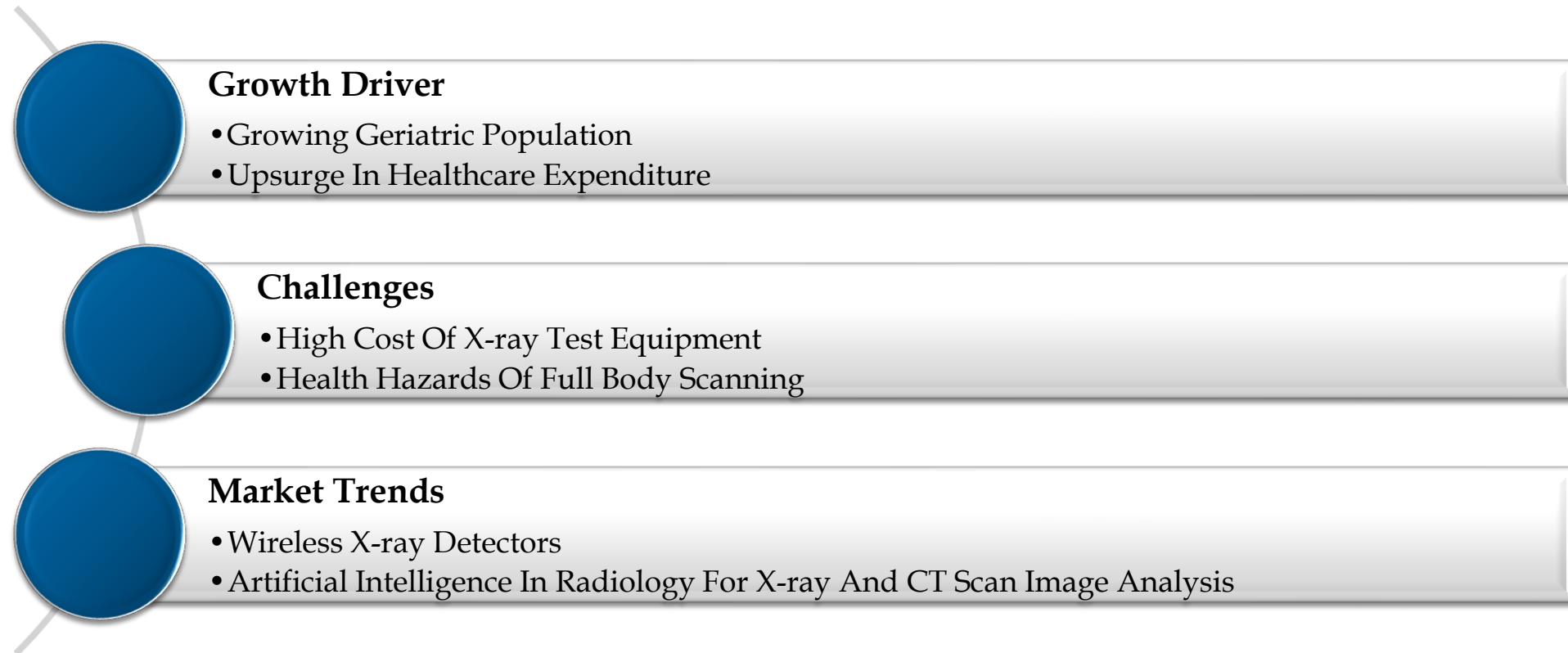


## UK X-Ray Detector Market by Value



Region	Share	CAGR (2017-2021)	CAGR (2022-2027)
Germany	xx%	xx%	xx%
UK	xx%	xx%	xx%
France	xx%	xx%	xx%
Italy	xx%	xx%	xx%
Spain	xx%	xx%	xx%
Rest of Europe	xx%	xx%	xx%

# Global X-Ray Detector Market: Dynamics



# Global X-Ray Detector Market: Competitive Landscape

## Players Profiled

- Varex Imaging Corporation,
- Agfa-Gevaert N.V. (Agfa),
- Hamamatsu Photonics K.K,
- FUJIFILM Holdings America Corporation,
- Konica Minolta, Inc.,
- Teledyne Dalsa,
- Canon Medical Systems Corporation,
- Rayence Inc.,
- Vieworks Co., Ltd.,
- Carestream Health,
- Analogic Corporation,
- Careray Digital Medical Technology Co., Ltd.,
- iRay Technology Company Limited and
- Trixell Organization