

Medical Image Sensor Market - Forecasts from 2019 to 2024

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Abstracts

Medical image sensor, an electronic device that converts an optical image into an electronic signal and is primarily used in standalone or embedded imaging devices. The global medical image sensor market is expected to grow at a healthy CAGR over the forecast period. Sensors play an important role in medical technology. Burgeoning need to improve diagnostic accuracy is the major driving factor that is boosting the demand for medical image sensors. Increasing prevalence of chronic diseases which require detailed medical imaging and advancement in image sensor technologies are amplifying the demand for advanced medical imaging solutions. Furthermore, the demand for CMOS type image sensor is poised to grow at a good rate on account of its increased use in endoscopy and other medical procedures due to enhanced image quality, low power consumption, and improved system integration capability provided by them. Thus, the market is set to grow at a substantial rate on account of rising number of chronic diseases like a cardio-vascular problem, lungs disease, kidney disease and liver problems that is expected to be the lead drivers for the medical image sensors market.

Medical image sensor market can be segmented by technology (CMOS, CCD, a-Silicon), image processing (2D, 3D), application (endoscopy, X-ray and others), end-user (hospitals, and diagnostic centres, others). Due to the cheaper pricing and advanced features offered by the CMOS sensors, they are projected to acquire a substantial share in the medical image sensor market. Furthermore, the high investments in research and development of CMOS sensors are further projected to amplify this growth in the coming years.

In terms of region, the global medical image sensor market has been classified into North America, South America, Middle East and Africa, Europe and the Asia Pacific.

The development of innovative technology in assembly & testing and detection instruments are helping in increasing the demand for medical image sensors in the North America region. Asia Pacific region will see substantial growth during the forecast period. China and India are investing more in the healthcare industry which is helping to increase demand for medical image sensors during the forecast period in this region.

Additionally, the report also consists of key players in the CMOS image sensor market, their financials, products and services, recent developments and strategies to increase market share. Some of the important players operating in this market are Sony Corporation, Teledyne Technologies, TE Connectivity, NXP Semiconductors., and Honeywell International Inc., among others.

Segmentation

The Medical Image Sensor Market has been analyzed through the following segments:

By Technology

CMOS

CCD

a-Silicon

By Image Processing

3D

2D

By Application

Endoscopy

X-Ray

Others

By End-User

Hospitals

Diagnostic Centers

Others

By Geography

North America

United States of America

Canada

Mexico
Others

South America
Brazil
Argentina
Others

Europe
United Kingdom
Germany
France
Italy
Others

Middle East and Africa
United Arab Emirates
Israel
Saudi Arabia
Others

Asia Pacific
China
Japan
India
South Korea
Others

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