

North America Image Sensor Market (2016 - 2022)

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Abstracts

Image sensor is a device used to detect optical images presented by a lens and convert the same through electrical signals. Image sensors are used in devices such as in digital cameras and in different camera modules. Complementary metal-oxide-semiconductor (CMOS) technology has led to the innovation of advanced image sensor devices, which are highly efficient. The growing needs for high resolution compact pixel devices, which are cost-effective, are anticipated to fuel the market growth during the forecast period.

Image Sensors application segment is categorized into automotive, consumer electronics, industrial/defense, medical, and security & surveillance. Consumer electronics was a dominant segment in 2015. The widespread adoption of dual cameras in smartphones would drive the market demand. Advanced Driver Assistance Systems (ADAS) would significantly contribute to the growth of the market during the forecast period. Also, smarter and compact cameras can be used in effective traffic management, driving the demand for traffic surveillance cameras. Stringent regulatory norms that are targeted to improve road safety for drivers and pedestrians would be a potential driver to the market during the forecast period. The growing concerns over surveillance & security in public places such as parks, public places, malls, railway stations, and terrorist activities are significantly contributing to the need for higher resolution cameras. The demand for cell phones and digital still cameras has resulted in shortage in lenses and picture sensors. Also, the dynamic nature of semiconductor business would also act as a restraint to the market growth during the forecast period.

Based on country, North America Image Sensor market is segmented into US, Canada, Mexico and Rest of North America. US remained the dominant region in the North America Image Sensor market in 2015. Canada would witness promising CAGR during the forecast period (2016-2022).

The report covers the analysis of key stake holders of the Image Sensor market. Key companies profiled in the report include Toshiba Corporation, NXP Semiconductors N.V, Texas Instruments Incorporated, STMicroelectronics N.V., Samsung Electronics Co. Ltd., Sony Corporation, Apple Inc., e2v Technologies Inc., Panasonic Corporation and Galaxycore Shanghai Limited Corporation.

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