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Global Photonic Sensors Market (2016-2022)

https://marketpublishers.com/r/GBB154E1CB9EN.html
Date: December 2016
Pages: 366
Price: US$ 3,600.00 (Single User License)
ID: GBB154E1CB9EN

Abstracts

Photonic sensors are defined as sensors that sense, emit, receive and convert the light energy into electrical signals. Photonic sensors were primarily used in high performance application such as night vision. However, photonic sensors has become ubiquitous, and have found invaluable in the fields such as in motion detection, blood oxygen monitors, cameras of cell phones, etc.

The optics and photonics technologies have tremendously influenced the economy, globally. The development of devices and services for industrial sectors and the developments in the field of fiber optics have ignited the need for photonic sensors, expanding the spectral range of sensors in use in several industries. The installed sensors allow better sensing and detecting functions and also would be a highly opportunistic market for investment. Medical imaging, food inspection, industrial applications and community safety & security are some of the segments that have had unprecedented impact of the photonic sensor technology.

The report highlights the adoption of Photonic Sensors market, globally. Based on the Product, the Photonic Sensors Market is segmented into Fiber Optic Sensor, Image Sensor, Biophotonic Sensor and Other segments. According to the product type, the Fiber Optic Sensor Segment is further segmented into Bragg Garting Sensor, Distributed Sensor, Quasi Distributed Sensor and Point Sensor Invasive sub segments; Image Sensors segment is bifurcated into Charge Coupled Devices, Complementary Metal Oxide Semiconductor, Position Sensitive Semiconductor and Photoelectric Sensor sub segments; Biophotonic sensors segment is segmented into Intrinsic BioPhotonics and Extrensic Bio Photonics sub segments.

Based on the technology, the market is segmented into Fiber Optic Technology, Laser Technology and Biophotonic segments. On the basis of various application the market is also bifurcated into Military, Homeland Security, Industrial Process, Factory

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Automation, Civil Structure, Transportation, Biomedical, Micro Fluidic, Bio-environmental, Wind Energy turbines, Oil & gas and Other segments. The geographies included in the report are North America, Europe, Asia Pacific and LAMEA (Latin America, Middle East and Africa.

Key players profiled in the report include Baumer Holding AG, Banner Engineering Corp., True sense Imaging, Inc., Honeywell International, Samsung Electronics Co. Ltd., Toshiba Corporation, Fujifilm Holdings Corporation and General Electric Company

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