High-Speed Camera Market by Usage, Frame Rate, Resolution, Components, Accessories, Application & Geography - Global Trend & Forecast to 2020

Description:
"High-Speed Camera Market by Usage, Frame Rate (1,000 - 5,000, 5,001 - 20,000, 20,001 - 100,000 & greater than 100,000), Resolution (0 - 2 MP, 2 - 5 MP, Greater than 5 MP), Components, Accessories, Application & Geography - Global Trend & Forecast to 2020"

The high-speed camera market is expected to grow at a CAGR of 5.2% between 2015 and 2020. High-speed cameras are coming up with features such as Hi-G / ruggedized, high resolution, multi-head cameras, micro head cameras, ultra-high light sensitivity, ultra-high frame rates, and remote operation; these features would drive the market. Gradual reduction in price over the next five years would lead to the growth of the market. Increase in the adoption of high-speed camera in entertainment & media and industrial manufacturing are one of the major factors for the growth of the high-speed camera market. High-speed cameras in industrial manufacturing are used for range of functions such as production line maintenance, production line troubleshooting, machine design, production line monitoring, industrial inspection, packaging, and web inspection.

High-speed cameras are now being used in diagnostics processes such as detection of voice problems, voluntary eye blinking kinematics, and so on. High-speed cameras with features such as shadow correction, high quality interpolation, and others has allowed working in low light situations also which make them suitable for microscopy.

Asia-Pacific is the largest and fastest-growing market of industrial manufacturing, automotive, and consumer electronics. This would be a new market opportunity for high-speed cameras as industries are considering high-speed cameras to play a key role in analyzing and troubleshooting, manufacturing processes, and machinery, improving yields, reducing downtime and scrap, to improve the overall product quality. India and China are expected to contribute to the growth of the high-speed camera market in Asia-Pacific.

The primary participants for the report include 30% of the tier 1, 55% of the tier 2 and 15% of tier 3 companies. The C-level participants accounted for 35%, manager level primary participants were about 55% while accounted for 20%. The primary participants from North America, Europe, APAC and Rest of the World were 30%, 40%, 20% and 10% respectively.

The major players in high-speed camera market include Photron limited (Japan), Vision research (U.S.), NAC imaging technology (Japan), PCO AG (Germany), Mikrotron GmbH (Germany), AOS Technologies (Switzerland), Del imaging system (U.S.),Fastec Imaging Corporation (U.S.), Integrated Design tools (U.S.), Motion engineering company (U.S.), iX cameras (United Kingdom), Optronis GmbH (Germany), Motion Capture technologies (U.S.), Weiscamm (Germany), and 20/20 Hindsight (Monitoring technologies) (U.S.).

This report would help analyze the high-speed camera market with respect to its frame rate, resolution, component, application, and geography.

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