

Global Smart Traffic Camera Market Valued at \$8.36 Billion in 2020, Growing at 14.6% CAGR

WILMINGTON, NEW CASTLE, DE, UNITED STATES, September 5, 2025 /EINPresswire.com/ -- Allied Market Research published a report, titled, "[Smart Traffic Camera Market](#) by Component (Hardware, Software, and Service), Applications (Surveillance and Traffic Management, Toll Management and Others), Deployment Model (Traffic Monitoring and Traffic Enforcement) and Camera Type (Fixed Cameras, Mobile Speed Camera, Red Light Camera, Surveillance Camera, and Others): Global Opportunity Analysis and Industry Forecast, 2021–2030."

According to the report, the global smart traffic camera industry generated \$8.36 billion in 2020, and is estimated to reach \$32.34 billion by 2030, witnessing a CAGR of 14.6% from 2021 to 2030.



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Drivers, restraints, and opportunities

Increase in concerns related to public safety, surge in the number of vehicles and insufficient infrastructure, and development of smart cities worldwide drive the growth of the global smart traffic camera market. However, high expenses associated with equipment installation and security threats hinder the market growth. On the other hand, rise in penetration of analytics software presents new opportunities in the coming years.

Covid-19 Scenario

The demand for smart traffic cameras increased during the Covid-19 pandemic for tracking people who are roaming on the streets without masks in various countries and people without

masks are penalized.

Moreover, there has been surge in implementation of thermal imaging traffic cameras to detect people with high body temperature traveling on roads, metro stations, and airports.

Many universities began research and development activities to determine the traffic safety of the cameras on roads. They researched on volume of traffic, the time pedestrians need to cross the roads, vehicles' near-misses with cyclists, and the ways to improve public transport.

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The hardware segment to maintain its leadership position throughout the forecast period

Based on component, the hardware segment accounted for the highest share in 2020, accounting holding more than three-fifths of the global smart traffic camera market, and is projected to maintain its leadership position throughout the forecast period. This is due to rise in demand for hardware components among traffic offices to overcome challenges such as space constraints. However, the software segment is expected to portray the highest CAGR of 17.7% from 2021 to 2030, owing to rise in demand among the governments to improve road safety and reduce traffic congestion and parameters.

The surveillance and traffic management segment to maintain its lead position during the forecast period

Based on application, the surveillance and traffic management segment held the largest share in 2020, accounting for more than three-fourths of the global smart traffic camera market, and is estimated to maintain its lead position during the forecast period. This is due to increase in traffic issues along with environmental issues such as accidents and air & noise pollution. However, the toll management segment is expected to manifest the fastest CAGR of 17.0% from 2021 to 2030. This is attributed to supportive government regulations toward installation of smart traffic cameras on toll booths across developing nations of Asia-Pacific and LAMEA.

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Asia-Pacific, followed by Europe and North America, to continue its dominant share by 2030

Based on region, Asia-Pacific, followed by Europe and North America, contributed to the highest market share in 2020, accounted for more than one-third of the global smart traffic camera market, and is projected to continue its dominant share in terms of revenue by 2030. Moreover, this region is expected to witness the largest CAGR of 15.9% from 2021 to 2030. This is due to increase in investments by governments in traffic management solutions to identify traffic

violators through intelligent traffic cameras in the region.

Leading market players

Allied Vision
Axis Communications
E Com Systems
Jenoptik
Flir Systems
Hikvision
Tattile
Imperx, Inc.
Teledyne Dalsa
Siemens Ag
Idemia
Motorola Solutions
Redflex Holdings
Sensys Gatso Group Ab
Vitronic Gmbh

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We are in professional corporate relations with various companies, and this helps us in digging out market data that helps us generate accurate research data tables and confirms utmost accuracy in our market forecasting. Each and every data presented in the reports published by us is extracted through primary interviews with top officials from leading companies of domain concerned. Our secondary data procurement methodology includes deep online and offline research and discussion with knowledgeable professionals and analysts in the industry.

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