+357 96 030922
info@marketpublishers.com

Global AI-based Driver Seatbelt Detection Market 2026 by Company, Regions, Type and Application, Forecast to 2032

https://marketpublishers.com/r/GA16942EA61DEN.html
Date: August 2026
Pages: 102
Price: US$ 3,480.00 (Single User License)
ID: GA16942EA61DEN

Abstracts

According to our (Global Info Research) latest study, the global AI-based Driver Seatbelt Detection market size was valued at US$ 228 million in 2025 and is forecast to a readjusted size of US$ 490 million by 2032 with a CAGR of 11.5% during review period.

The AI-based driver seatbelt detection is an active safety assistance system developed using AI visual recognition, deep learning algorithms, infrared sensing technology, and in-vehicle intelligent computing platforms. It primarily monitors in real-time whether drivers and passengers are correctly wearing seatbelts. By capturing cockpit images via cameras and analyzing human posture, seatbelt positioning, and fastening status through AI algorithms, the system detects unfastened or incorrectly worn seatbelts, obstructions, and abnormal driving behaviors. Typically composed of high-definition camera modules, infrared sensors, AI processing chips, vehicle controllers, algorithmic software, and alarm/interaction modules, the system can be integrated into passenger vehicles, commercial vehicles, buses, construction machinery, and intelligent cockpit systems. Driven by evolving global automotive safety regulations, rapid advancements in intelligent driving technology, and the need for enhanced commercial vehicle safety management, these systems are evolving from simple safety reminders into comprehensive Driver Monitoring Systems (DMS), integrating functions such as fatigue and distraction detection, facial recognition, and intelligent cockpit operations.

Upstream raw materials include CMOS image sensors, infrared LED components, AI vision processing chips, PCBs, automotive-grade electronic components, plastic structural parts, and metal connectors. Downstream applications span passenger vehicles, commercial vehicles (including trucks, buses, and logistics vehicles),

+357 96 030922
info@marketpublishers.com

construction machinery, mining vehicles, and special-purpose vehicles. Future development will focus on high-precision visual recognition, multi-camera fusion, low-power edge AI computing, and vehicle-road-cloud integration, establishing the system as a key component of active safety suites in intelligent vehicles. Market demand and opportunities are fueled by the rising penetration of new energy vehicles, mandatory global safety regulations, higher levels of driving automation, and the growing need for digital fleet management, indicating strong potential for large-scale adoption.

This report is a detailed and comprehensive analysis for global AI-based Driver Seatbelt Detection market. Both quantitative and qualitative analyses are presented by company, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global AI-based Driver Seatbelt Detection market size and forecasts, in consumption value ($ Million), 2021-2032

Global AI-based Driver Seatbelt Detection market size and forecasts by region and country, in consumption value ($ Million), 2021-2032

Global AI-based Driver Seatbelt Detection market size and forecasts, by Type and by Application, in consumption value ($ Million), 2021-2032

Global AI-based Driver Seatbelt Detection market shares of main players, in revenue ($ Million), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for AI-based Driver Seatbelt Detection

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

+357 96 030922
info@marketpublishers.com

This report profiles key players in the global AI-based Driver Seatbelt Detection market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include VITRONIC, Seeing Machines, OxMaint, Cognex, Hazen.ai, Smart Eye, MINSHI, Neonode, ArcSoft, Valeo, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market segmentation

AI-based Driver Seatbelt Detection market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for Consumption Value by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

AI Visual Recognition Type

Infrared Visual Inspection Type

Pressure/Sensor Fusion Type

Market segment by Camera Configuration

Monocular Camera System

Stereo Camera System

Multi-camera Fusion System

Market segment by Function

Basic Seatbelt Usage Detection

+357 96 030922
info@marketpublishers.com

Seatbelt Misuse Detection

Driver Identification + Seatbelt Detection

Others

Market segment by Application

Passenger Vehicles

Commercial Vehicles

Market segment by players, this report covers

VITRONIC

Seeing Machines

OxMaint

Cognex

Hazen.ai

Smart Eye

MINSHI

Neonode

ArcSoft

Valeo

Aptiv

+357 96 030922
info@marketpublishers.com

Acusensus

Samsara

Aiplusmall

EROAD

Market segment by regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia, Italy and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-Pacific)

South America (Brazil, Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe AI-based Driver Seatbelt Detection product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of AI-based Driver Seatbelt Detection, with revenue, gross margin, and global market share of AI-based Driver Seatbelt Detection from 2021 to 2026.

Chapter 3, the AI-based Driver Seatbelt Detection competitive situation, revenue, and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and by Application, with consumption value and growth rate by Type, by Application, from 2021 to 2032.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2021 to 2026.and AI-

+357 96 030922
info@marketpublishers.com

based Driver Seatbelt Detection market forecast, by regions, by Type and by Application, with consumption value, from 2027 to 2032.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of AI-based Driver Seatbelt Detection.

Chapter 13, to describe AI-based Driver Seatbelt Detection research findings and conclusion.

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

2 COMPANY PROFILES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Global AI-based Driver Seatbelt Detection Market 2026 by Company, Regions, Type and Application, Forecast to 2032

Product link: https://marketpublishers.com/r/GA16942EA61DEN.html

Price: US$ 3,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/GA16942EA61DEN.html