

Global Road Detection System Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Road Detection System market size was valued at US\$ 436 million in 2023 and is forecast to a readjusted size of USD 633 million by 2030 with a CAGR of 5.0% during review period.

Roads continue to deteriorate on a daily basis because of the wear and tear associated with the variety of vehicles driven on them. The deterioration of road surface quality not only impairs the comfort of drivers, but also impacts economic efficiency. Road Inspection Systems, which mounted on general vehicles or special vehicles, are used to detect the rate of cracks, rutting depth and flatness etc. They play an important role in social infrastructure construction and can ensure that defective roads maintained in time. Road Inspection Systems are the integration of software and sensors etc. They usually consist of laser measuring instrument, camera, IMU, GPS and image analysis software etc.

Highway traffic is one of the important symbols of a country's development degree and an important infrastructure supporting economic, political and cultural construction. Among them, highway is an important foundation for building traffic modernization. The United States and other developed countries have well-developed highway facilities and high coverage, which have been built into a highway network. With the accelerating pace of road construction, subway construction and underground space development, urban vehicles increase sharply. At the same time, local unevenness, local potholes, pavement cracks and other phenomena occur from time to time due to the increasing traffic flow, pavement aging, subgrade settlement, rainwater scouring and other reasons. When the situation is serious, it will lead to cracking, deformation, settlement Collapse and other problems, which affect the vehicle speed and driving comfort to varying degrees. Some road subgrade structures are damaged, which will affect the

driving safety, even cause traffic accidents, and have a great impact on the society. Therefore, it is particularly important to actively carry out the detection and control of urban road diseases and reduce the traffic problems caused by road diseases through effective detection means.

Manual inspection of roads makes the inspection and repair process very slow. In order to solve this problem, vehicle mounted road inspection systems is adopted. With using the stereo cameras, artificial intelligence, machine learning etc. ,the technology of Road Inspection Systems is becoming more and more mature.

This report is a detailed and comprehensive analysis for global Road Detection System market. Both quantitative and qualitative analyses are presented by manufacturers, 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 2024, are provided.

Key Features:

Global Road Detection System market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2019-2030

Global Road Detection System market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2019-2030

Global Road Detection System market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2019-2030

Global Road Detection System market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (US\$/Unit), 2019-2024

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 Road Detection System

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

To assess competitive factors affecting the marketplace

This report profiles key players in the global Road Detection System market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include KURABO, Data Collection Limited

(DCL) (Moog), ARRB Systems, Roadscanners, International Cybernetics Company (ICC) and IMS, Ricoh, Trimble, Geophysical Survey Systems (GSSI), Mitsui E&S, Dynatest (Eltronic Group), etc.

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

Market Segmentation

Road Detection System market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

- Mounted on Special Vehicle
- Mounted on General Vehicle

Market segment by Application

- Road
- Highway
- Airport Runway
- Others

Major players covered

- KURABO
- Data Collection Limited (DCL) (Moog)
- ARRB Systems
- Roadscanners
- International Cybernetics Company (ICC) and IMS
- Ricoh
- Trimble
- Geophysical Survey Systems (GSSI)
- Mitsui E&S
- Dynatest (Eltronic Group)
- Pavemetrics (Previa Technologies)
- ELAG Elektronik
- RoadMainT
- Wuhan ZOYON
- Shanghai Pres Highway and Traffic Technology

- Beijing Zhongtian Hengyu
- Wuhan XROE
- Hunan Lianzhi Technology
- Shanxi Yicun Transportation

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Road Detection System product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Road Detection System, with price, sales quantity, revenue, and global market share of Road Detection System from 2019 to 2024.

Chapter 3, the Road Detection System competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Road Detection System breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2019 to 2024. and Road Detection System market forecast, by regions, by Type, and by Application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Road Detection System.

Chapter 14 and 15, to describe Road Detection System sales channel, distributors, customers, research findings and conclusion.

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