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Global Automatic Number Plate Recognition (ANPR) Market Research Report- Forecast till 2032

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Description:

Global Automatic Number Plate Recognition (ANPR) Market Overview:

Automatic Number Plate Recognition (ANPR) Market Size valued at USD 4.1 Billion in 2022. The Automatic Number Plate Recognition (ANPR) market industry is projected to rise from USD 4.3 Billion in 2023 to USD 6.3 Billion by 2032, exhibiting a compound yearly growth rate (CAGR) of 4.90% during the forecast period (2023 - 2032). Increased deployment of surveillance technologies on roads and inclination towards advanced technology are the key market drivers enhancing the market growth.

Global Automatic Number Plate Recognition (ANPR) Market Overview

Source: Secondary Research, Primary Research, MRFR Database, and Analyst Review

Automatic Number Plate Recognition (ANPR) Market Trends

- **The growing use of ANPR systems in security and surveillance, and traffic enforcement applications is driving the market growth**

Market CAGR for automatic number plate recognition (ANPR) is being driven by the rising use of ANPR services in security, and surveillance, and traffic implementation applications. The adoption of ANPR systems in this field has grown to monitor terrorist, criminal offenses, and fraud. It plays a crucial role in locating stolen vehicles and vehicles that are involved in criminal offenses, have been on the defaulter's list for toll collection, has violated traffic laws, and have expired insurance policies. Increased funding by the government for intelligent transport systems plays a vital role in boosting market growth.

The ANPR systems are installed above the roof of the car, allowing them to read at high speeds and can process the information processed in a dedicated black box that is installed in the trunk of the vehicle. This advanced technology helps the car of patrol police to extract, detect, and research number plates on the go. In order to get real-time and large-scale monitoring and effective research for incidents that are related to terror or crime, the ANPR cameras are placed in fixed locations across the cities. The US and the UK are the developed nations that are actively utilizing fixed and mobile ANPR services for security and surveillance and traffic enforcement applications. These systems can be used in tracking traveling criminals and terrorist organized crime groups. In order to collect the proof and lines of inquiry in investigating crime, law enforcement agencies utilize automatic number plate recognition services. The end users make use of ANPR service to make sure better security, traffic regulations, and surveillance.

These systems have high demand in government organizations, law enforcement, defense, and security, and commercial as well as private business. The government and traffic regulations initiatives to improve road safety by using ANPR have increased. A large number of manufacturers are investing in their R&D activities to come up with software that will read and document the license plates without the need for operation by humans. The ANPR industry is experiencing a drastic transformation because of proliferating automation. The manufacturing facilities against malicious activities of criminal is safeguarded with the access control of unauthorized vehicles. The manufacturers are also innovating in ANPR-integrated parking ticketing systems through AI and cognitive intelligence technologies. Thus, boosting the Automatic Number Plate Recognition (ANPR) market revenue.

Automatic Number Plate Recognition (ANPR) Market Segment Insights:

Automatic Number Plate Recognition (ANPR) Application Insights

Automatic Number Plate Recognition (ANPR) market segmentation, based on type, includes Fixed ANPR Systems, Mobile ANPR Systems, and Portable ANPR Systems. The fixed ANPR systems segment dominates the market, accounting for the largest market revenue. This is owing to the expanding use of fixed ANPR systems for traffic management solutions. It is effectively installed in areas where heavy

congestion and traffic due to its capability of capturing images at high-speed and high-density traffic environments. The use of this system helps minimize the wastage of fuel and time and improves productivity by minimizing the access manpower at parking facilities and toll booths.

Automatic Number Plate Recognition (ANPR) End-Use Insights

Automatic Number Plate Recognition (ANPR) market segmentation, based on component, includes ANPR Cameras, ANPR Software, Frame Grabbers, and Triggers. The ANPR software segment dominates the market; it allows the conversion of captured images into a digital format for future reference and electronic storage. The advanced ANPR software demand has increased with the rise in the demand for automated solutions, like red-light enforcement, barrier control, vehicle color, speed detection & enforcement, model & build recognition and various other solutions.

Figure 1: The Automatic Number Plate Recognition (ANPR) Market, by End Use, 2022 & 2032 (USD Billion)

The Automatic Number Plate Recognition (ANPR) Market, by End Use, 2022 & 2032

Source: Secondary Research, Primary Research, MRFR Database and Analyst Review

Automatic Number Plate Recognition (ANPR) Regional Insights

By region, the study provides market insights into North America, Europe, Asia-Pacific, and the Rest of the World. The European Automatic Number Plate Recognition (ANPR) market area dominates the market due to the rapid industrialization of different traffic monitoring devices on bridges, tunnels, and highways. The IoT-enabled solution for configuring ANPR equipment with a traffic monitoring device is gaining popularity. The rapid digitization of traffic monitoring systems is boosting the market.

Further, the major countries studied in the market report are The US, Canada, German, France, the UK, Italy, Spain, China, Japan, India, Australia, South Korea, and Brazil.

Figure 2: The AUTOMATIC NUMBER PLATE RECOGNITION (ANPR) MARKET SHARE BY REGION 2022 (USD Billion)

The AUTOMATIC NUMBER PLATE RECOGNITION (ANPR) MARKET SHARE BY REGION 2022

Source: Secondary Research, Primary Research, MRFR Database, and Analyst Review

North American Automatic Number Plate Recognition (ANPR) market accounts for the second-largest market share due to the strict government rules related to traffic enforcement and the availability of a huge number of market players in the region. Further, the US Automatic Number Plate Recognition (ANPR) market has the highest market share, and the Canadian Automatic Number Plate Recognition (ANPR) market was the fastest-growing market in the region

The Asia-Pacific Automatic Number Plate Recognition (ANPR) Market is expected to grow at the rapid CAGR from 2023 to 2032. This is due to the increasing demand of the ANPR technology and growing public infrastructure, and high construction activities. Moreover, China's Automatic Number Plate Recognition (ANPR) market has the largest market share, and the Indian Automatic Number Plate Recognition (ANPR) market was the fastest-growing market in the Asia-Pacific region.

Automatic Number Plate Recognition (ANPR) Key Market Players & Competitive Insights

Leading market players are investing heavily in research and development in order to spread their product lines, which will help the Automatic Number Plate Recognition (ANPR) market grow even more. Market participants are also undertaking a various strategic activities to expand their footprint, with important market developments including new product launches, contractual agreements, mergers and acquisitions, higher investments, and collaboration with other organizations. To expand and survive in a more competitive and rising market climate, the Automatic Number Plate Recognition (ANPR) industry must offer cost-effective items.

Manufacturing locally to minimize operational costs is one of the key business tactics used by manufacturers in Automatic Number Plate Recognition (ANPR) industry to benefit clients and increase the market sector. In recent years, the Automatic Number Plate Recognition (ANPR) industry has offered some of the most significant advantages to safety. Major players in the Automatic Number Plate Recognition (ANPR) market, including Q-Free ASA, Genetec Inc., Honeywell Automation India, Kapsch TrafficCom, TagMaster, Siemens AG, Conduent Inc., Axis Communication, ARH Incorporation, Bosch Security Systems, Digital Recognition Systems Ltd, ELSAG North America LLC, HikVision, and others, are attempting to increase market demand by investing in research and development operations.

Genetec Inc., founded in 1997, is headquartered in Montreal, Canada, provides the AutoVu automatic license plate recognition (ALPR) system, and serves enterprise and government organizations through an integrated network of resellers. It develops open-platform software, cloud-based services, and hardware for the security and public safety industry. The company deals with different applications, including law enforcement and municipal and commercial organizations. The company provides IP video surveillance, access control, and automatic number plate recognition solutions together in a single platform called Security Center. It also manufactures and provides security equipment. In October 2019, the next-generation mobile automatic license plate recognition solutions were introduced by Genetec Inc. Integrated with Intel's Vision processing unit technology.

Q-Free ASA, founded in 1984, and headquartered in Trondheim, Norway, provides products relating mainly to electric toll collection for congestion charging, truck-oiling, road financing, and parking/access control. Q-

Free, for effective, eco-friendly, and safe transportation, was developed depending on modern technology and open platforms. In May 2020, vehicle analytic solutions were developed for its automatic number plate recognition portfolio for vehicle color, class, model, etc., to be recognized.

Key Companies in the Automatic Number Plate Recognition (ANPR) market include

- Q-Free ASA
- Genetec Inc.
- Honeywell Automation India
- Kapsch TrafficCom
- TagMaster
- Siemens AG
- Conduent Inc.
- Axis Communication
- ARH Incorporation
- Bosch Security Systems
- Digital Recognition Systems Ltd
- ELSAG North America LLC
- HikVision

Automatic Number Plate Recognition (ANPR) Industry Developments

March 2022: An integrated automation and solutions provider, Honeywell Automation India, received a contract to place automatic number plate recognition systems in Karnataka with 7000 cameras in 3000 sensitive locations to reduce the crimes against women and to enhance road safety, which was a government initiative in Karnataka.

January 2022: The New Hampshire Department of Transportation selected Kapsch TrafficCom (NHDOT) in order to convert another three NHDOT toll zones into free-flow all-electric tolling (AET), which will support mixed-mode payment.

December 2021: A leader in providing identification and mobility solutions, TagMaster, announced the improvement of its ANPR technology to provide the management of site capacity at Household Waste Recycling Center (HWRC) sites with visitors of high volumes.

Automatic Number Plate Recognition (ANPR) Market Segmentation:

Automatic Number Plate Recognition (ANPR) Application Outlook

- Fixed ANPR Systems
- Mobile ANPR Systems

- Portable ANPR Systems

Automatic Number Plate Recognition (ANPR) End-Use Outlook

- ANPR Cameras
- ANPR Software
- Frame Grabber
- Triggers

Automatic Number Plate Recognition (ANPR) Regional Outlook

- North America
    - US
    - Canada
- Europe
    - Germany
    - France
    - UK
    - Italy
    - Spain
    - Rest of Europe
- Asia-Pacific

- China
- Japan
- India
- Australia
- South Korea
- Australia
- Rest of Asia-Pacific

- Rest of the World
  - Middle East
  - Africa
  - Latin America

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