

Making Intelligent Everywhere



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**EXPERT IN COMPUTER
VISION TECHNOLOGY**

for transportation and parking
hardware and solutions



Adhering to the original spirit, pursuing the ultimate
We continue to explore the boundaries of visual perception



We are committed to building a perception foundation for the digital development of cities with superior visual perception technology

- More accurate recognition rate
- More comprehensive recognition elements
- More efficient recognition efficiency

We polish every design of our products, focus on scenario applications, and define our products by scenarios

- More convenient installation, use and operation and maintenance experience
- More abundant recognition, storage and docking functions
- More stable, sturdy and long-lasting product quality

We are committed to bringing customers good, easy to use, practical products

Ensure that it can meet the actual application needs, harsh environmental conditions, and minimise landed costs and technical requirements.

Customer first is our service concept
Innovation is the driving force for product refinement

Welcome to VZEYE - get a perceptual product experience like never before!



ANPR SDK

Vehicle ANPR SDK for Any Type of Transportation & Parking

Extreme Performance for 100+ Countries



Intelligent Expressway

Vehicle ANPR & Category Recognition Smart Camera for Toll Station and Checkpoint

- X3A series "Tri-Camera Vision + LiDAR" Smart Camera for Vehicle ANPR & Category Recognition in Toll Station
- EA9 series 9MP Global Shutter Low Latency Checkpoint ANPR Smart Camera
- EA6 series 6MP Global Shutter Low Latency Checkpoint ANPR Smart Camera



Intelligent Parking

Vehicle ANPR & Events Perception Smart Camera for Access Control

- RA5 Series Smart Camera for Vehicle ANPR & Events Perception in Access Control

Vehicle ANPR Smart Camera and System for Parking Guidance

- RFA Series Smart Camera for ANPR in Energy Vehicle Charging & Open-air Parking Space Management
- F4A Series Smart Camera for Vehicle ANPR in Parking Space Management
- Video Smart Parking Guidance System Solution



Why Choose VZeye

- Our Mission & Commitment
- Empowering Clients for Business Success All Over The World



ANPR SDK Support 100+ Countries

Extreme ANPR recognition accuracy, support for any traffic and parking lot under the license plate recognition, with ultra-high robustness, can easily cope with challenging complex environments and light, support for the country more than 100 , in addition to multi-vehicle license plate and a vehicle with multiple license plate target accurate recognition of unique advantages.

VZEYE SUPREME ANPR SDK COMPUTER VISION EXPERT

Vehicle ANPR SDK for Any Type of Transportation & Parking

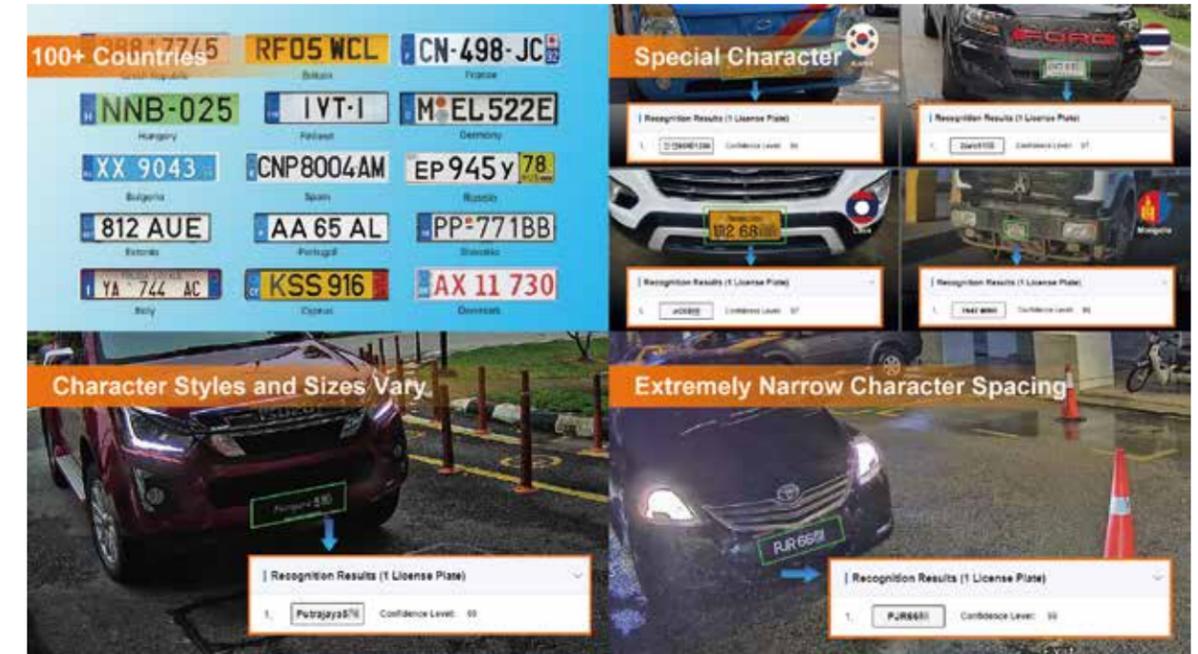
Extreme ANPR Performance for 100+ Countries

- Input in jpeg format, supports resolutions up to 4k.
- Support multi-threading.
- Return time, 50ms latency, based on test hardware
- Supports multi-country license plate recognition
- Recognition accuracy greater than 99
- Supports multi-country license plate recognition



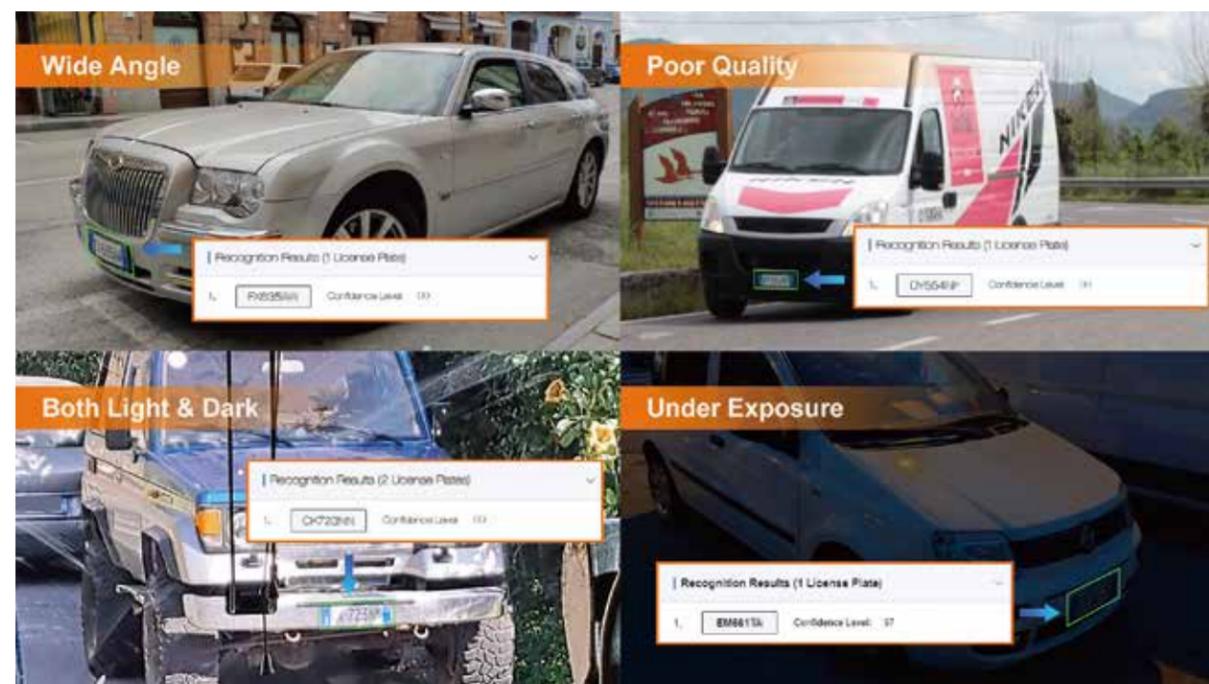
EXTENSIVE COVERAGE

Providing Worldwide Coverage 100+ Countries



SUPER ROBUST

Ensuring Reliable Identification in Challenging Conditions



MULTI-TARGET DETECTION

Multi-target Detectable and Tracking Algorithms





INTELLIGENT EXPRESSWAY

The increasing global traffic volume and the complexity of highway networks necessitate the adoption of smart highway solutions. These solutions aim to improve traffic management, enhance safety, and reduce congestion by utilizing advanced technologies such as IoT, AI, and big data analytics. Real-time monitoring and communication systems are crucial for managing traffic flow efficiently, quickly detecting and responding to incidents, and providing drivers with timely information. Furthermore, integrating intelligent infrastructure with connected vehicle technologies can optimize resource utilization, minimize environmental impact, and ensure a safer and more efficient driving experience. Smart highways are essential for addressing the growing demands of modern transportation and paving the way for a sustainable and intelligent future.

LIDAR AND VISION INTEGRATION WITH ENHANCED PRECISION

X3 Series Vehicle Category Recognition Smart Camera is the ultimate solution for accurate and efficient vehicle identification at highway toll stations. Featuring industry-leading license plate recognition and high-precision vehicle model identification, this device ensures top-notch performance with a recognition rate of over 99.8% and model accuracy of over 99.5%. The dual-mode perception technology, combining video and laser, guarantees precise vehicle separation with an accuracy of over 99.8%. Our innovative Micro Gimbal 2.0 allows for flexible camera adjustments, facilitating easy on-site deployment and convenient remote maintenance, making it the perfect choice for modern tolling operations.

X3A SERIES SMART CAMERA FOR VEHICLE CATEGORY RECOGNITION IN TOLL STATION

HIGHLIGHTS

"Tri-Camera Vision + LiDAR" Dual-Modal Sensing License Plate and Vehicle Model Accurate Recognition

- Vehicle Separation Accuracy of 99.5%
- Vehicle Model Recognition Accuracy of 99.5%
- Comprehensive License Plate Recognition Rate of 99.9%

Fearless of Complex Environments

- Easily Adapts to Various Lighting/Weather/Complex Cargo/Dangerous Goods Vehicles

Pioneering Patented Micro Cloud Platform 2.0

- Front/Rear Camera Supports Vertical and Horizontal Adjustment



APPLICATION



Toll Gate



Service Area



Intelligent Traffic Management

PERFORMANCE



Full Vehicle Model Recognition



Dangerous Goods Vehicle Recognition



Vehicle Passing Video of at Least 5 Seconds



3 YEARS
manufacturer's warranty



Front of Vehicle Capture Image



End of Vehicle Capture Image



Full Video of Vehicle Passing



License Plate: RF05XCL
Country : Malaysia
Category: Truck
Axle Number: 2

OSD Text

ACCURATE VEHICLE APPR PERCEPTION ON EXPRESSWAY SECTIONS

EA9 series Smart Camera is specially designed for high-speed scenes with front-end capture and identification of an intelligent imaging device. In order to cope with the scene.

Rapid and accurate identification", the series not only provides 9 million ultra-high definition imaging, a variety of licence plate/vehicle information recognition, surveillance video, intelligent fill light.

Front-end storage and other features, to ensure unattended business 7 * 24 hours uninterrupted operation, and significantly reduce after-sales maintenance costs.



TC
LV 3737

License Plate: TC3737
Country : Latvia

EA9 SERIES 9MP GLOBAL SHUTTER LOW LATENCY ANPR SMART CAMERA FOR VEHICLE ID RECOGNITION IN CHECKPOINT

HIGHLIGHTS

Global Shutter for High Vehicle Speed ANPR

- Adaptive accurate ANPR at high speeds up to 260km/h
- Comprehensive ANPR Rate of 99.8%

Superior imaging with 9 megapixels

- VZEYE's Proprietary AI ISP inside
- Good adaptability to night, smooth light, backlight and other light scenes

Easy for Users to Secondary Development

- SDK development kit: provide SDK development kit for Windows and Linux environment
- Supports API interface based on TCP, HTTP and other standard protocols
- For the secondary development needs of professional customers, we provide the underlying open platform (OpenSDK)

APPLICATION



Expressway
Gantry



Cross
Roads



Service
Area

PERFORMANCE



9MP
Blacklight level



50ms
low latency



Adaptive speeds
up to 260km/h



3 YEARS
manufacturer's warranty

Scan for
Product Specifications



ACCURATE VEHICLE APPR PERCEPTION ON EXPRESSWAY SECTIONS

EA6 series Smart Camera is specially designed for high-speed scenes with front-end capture and identification of an intelligent imaging device. In order to cope with the scene.

Rapid and accurate identification", the series not only provides 6 million ultra-high definition imaging, a variety of licence plate/vehicle information recognition, surveillance video, intelligent fill light.

Front-end storage and other features, to ensure unattended business 7 * 24 hours uninterrupted operation, and significantly reduce after-sales maintenance costs.



EA6 SERIES 6MP GLOBAL SHUTTER LOW LATENCY ANPR SMART CAMERA FOR VEHICLE ID RECOGNITION IN CHECKPOINT

HIGHLIGHTS

Global Shutter for High Vehicle Speed ANPR

- Adaptive accurate ANPR at high speeds up to 260km/h
- Comprehensive ANPR Rate of 99.8%

Superior imaging with 6 megapixels

- VZEYE's Proprietary AI ISP inside
- Good adaptability to night, smooth light, backlight and other light scenes

Easy for Users to Secondary Development

- SDK development kit: provide SDK development kit for Windows and Linux environment
- Supports API interface based on TCP, HTTP and other standard protocols
- For the secondary development needs of professional customers, we provide the underlying open platform (OpenSDK)

APPLICATION



Expressway Gantry



Cross Roads



Service Area

PERFORMANCE



6MP Blacklight level



50ms low latency



Adaptive speeds up to 260km/h



3 YEARS

manufacturer's warranty

Scan for Product Specifications





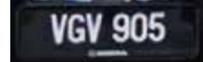
INTELLIGENT PARKING

With the rapid increase in car ownership worldwide and relatively insufficient urban parking resources, the issue of parking has become increasingly prominent. There is an urgent need for urban parking systems to upgrade and transition towards intelligent and information-based solutions. By leveraging the new generation of IoT and AI technologies, cities can enhance the efficiency of parking resource management and develop city-wide parking resource management platforms. These platforms can effectively address the mismatch between parking space availability and demand, providing a solution to the growing parking challenges faced by urban areas globally.

INTELLIGENT PARKING MANAGEMENT SOLUTION

For scenarios such as high-end parking lot license plate recognition, ETC assisted license plate recognition cameras, highway toll stations, and urban road checkpoints, Vision Zenith provides intelligent imaging devices that integrates front-end capture and recognition.

- VEHICLE ANPR
- SENSELESS PAYMENT
- LANE SUPERVISION



License Plate: VGV905
Country: Malaysia



Events Video



Full Vehicle Capture Image



Licence Plate Capture Image

RA5 SERIES SMART CAMERA FOR VEHICLE IDENTIFICATION RECOGNITION

HIGHLIGHTS

5 million black light level imaging, active warning for lane abnormal events

- 5 million black light level+AIISP, ultimate imaging at night, reducing light pollution
- Vehicle traffic+lane environment, two in one perception
- Close range identification of following events, detection of detention events, and detection of turn back events

More real-time and faster, giving unlimited possibilities for scene expansion

- 80ms ultra-low latency, adaptive speed of 80km, supporting more application needs in gas stations/service areas and other scenarios
- 100+international and regional algorithm authorizations, strongly empowering international market expansion

More powerful intelligent IoT node performance

- Front end 32GB of large storage space, intelligent storage of abnormal video events, achieving NVR removal in some scenarios
- 256M extra large secondary opening space, more customers can customize flexibility

APPLICATION



High end parking lots



Access Control



Urban road checkpoints



Intelligent Traffic Management

PERFORMANCE



5MP
Blacklight level



80ms
low latency



Adaptive speeds
up to 80km/h



100+ Algorithmn
Coverage



Recognition
rate of 99.8%



2 YEARS
manufacturer's warranty

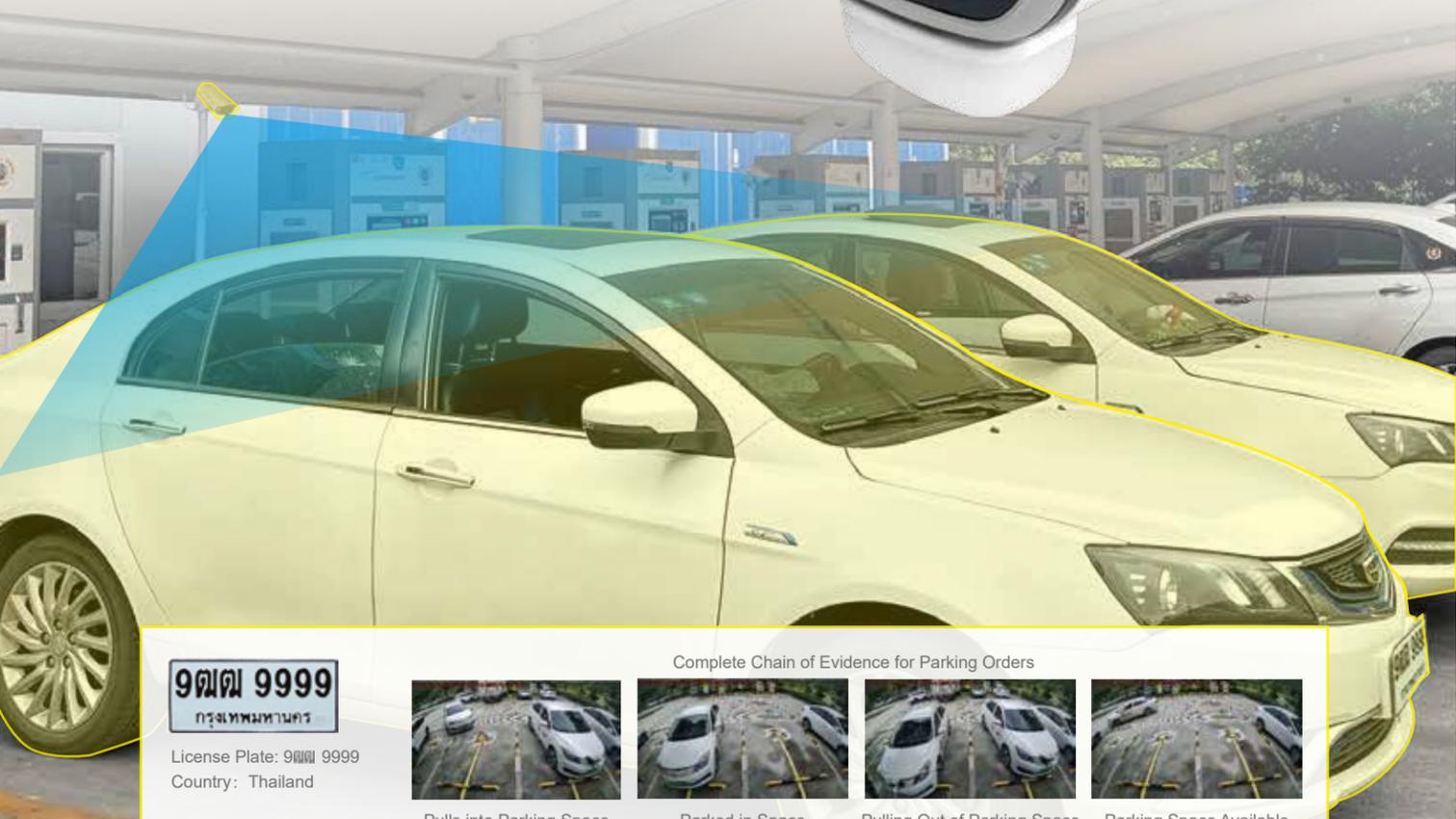
Scan for
Product Specifications



INTELLIGENT PARKING MANAGEMENT SOLUTION

RF series smart camera is designed for the management of new energy charging stations. It features built-in ISP, vehicle behavior and structured analysis based on deep learning, and recognition algorithms to achieve precise recording of the parking evidence chain and parking space situation awareness in all scenarios 24/7cross-parking.

- LOCK CONTROL
- PREVENT FUEL VEHICLES FROM OCCUPYING PARKING SPACES



License Plate: 9999 9999
Country: Thailand

Complete Chain of Evidence for Parking Orders



Pulls into Parking Space

Parked in Space

Pulling Out of Parking Space

Parking Space Available

RFA SERIES SMART CAMERA FOR EV CHARGING & OPEN-AIR PARKING MANAGEMENT

HIGHLIGHTS

Eliminate Parking Spot Occupation to Improve the Turnover Rate of Charging Parking Spaces

- Prevent Parking Spot Occupation (by Fuel Vehicles / Non-Motor Vehicles / Overlapping Parking)
- Prevent New Energy Vehicles from Long Stay with Short Charging and Parked Without Charging

Precise Reporting of Order-Based Parking Incidents

- Single Charge, Single Entry/Exit Event-Driven Output, Simplifying the Business Platform Integration Process
- 1-meter Extreme Angle Recognition and Ultra-Long Tracking Technology, Eliminates Missed Detection and Fears No Obstruction

Ultimate Experience in Charging Parking Space-Level Operation

- Front-End Intelligent Active Operation with Sound and Light: Parking Voice Guidance, Abnormal Situation Alert and Eviction
- Self-Inspection of Ground Lock Status, Reducing Operation and Maintenance Costs, Remote Sensing Without the Need for On-Site Visits

APPLICATION



Parking lots



charging parking space



Toll Gate



Urban road checkpoints



Intelligent Traffic Management

PERFORMANCE



3MP



1 Device Manages 2 Parking Spaces



Ground Lock Interlocking



4m Long-Range Voice Intercom



Avoid Ineffective Occupation



2 YEARS manufacturer's warranty

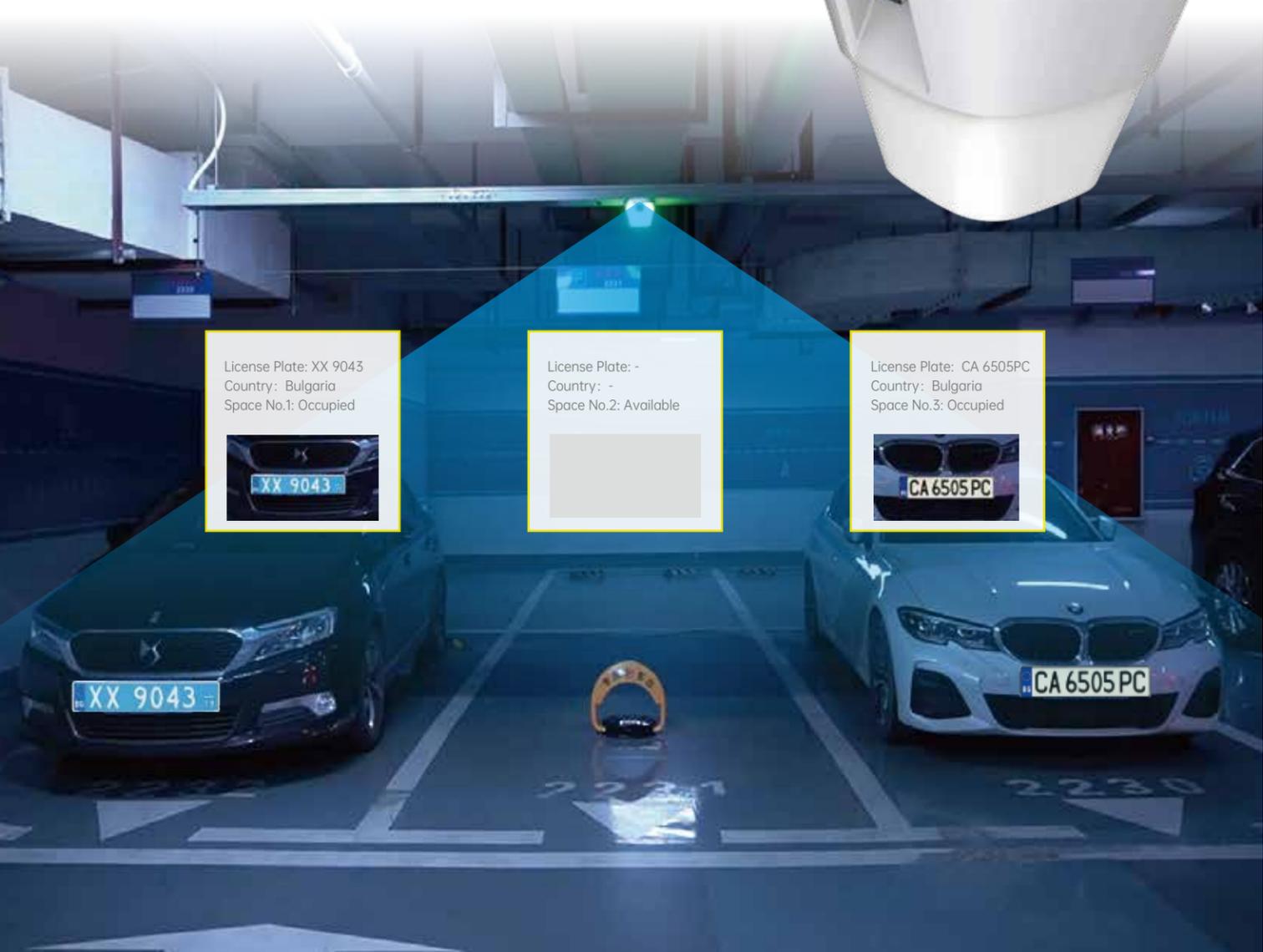
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INTELLIGENT PARKING MANAGEMENT SOLUTION

F series smart camera is a video surveillance device used in parking guidance and reverse car-finding systems to detect the status of parking spaces. This product captures real-time video of the parking space through the camera and uses visual recognition technology to detect whether there are vehicles parked in the space. It controls the color of the indicator lights based on the parking space status, thus serving the purpose of guiding vehicles.

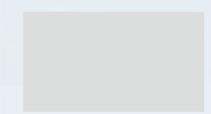
- TWIN PARKING LOTS
- VIDEO PARKING GUIDANCE



License Plate: XX 9043
Country: Bulgaria
Space No.1: Occupied



License Plate: -
Country: -
Space No.2: Available



License Plate: CA 6505 PC
Country: Bulgaria
Space No.3: Occupied



F4A SERIES SMART CAMERA FOR PARKING SPACE MANAGEMENT

HIGHLIGHTS

Exclusive Innovation, A Generation Ahead

- Enhanced PoE Daisy Chaining, Deploy 16 Cameras with a Single Ethernet Cable
- Pioneering Automatic Parking Space Frame Drawing, Combined with Remote Debugging, Reduces Debugging Time by 70%

Parking Space Management Proactive Operation

- Parking Space Anomaly Event Perception: Overline Parking / Foreign Object Detection / Pedestrian Detection
- Audio-Visual Alarm with 3W Speaker: Reminder for Anomaly Events / VIP Parking Space Notification

Contextualized In-Depth Design

- Bluetooth Upgrade: Precise In-Venue Navigation, Guiding to Exact Position

APPLICATION



Parking lots



Public Parking Garage



Commercial Complex



Industrial Park



Upscale Hotel

PERFORMANCE



4 Megapixels



Monocular for 3 Spaces
Binocular for 6 Spaces



Bluetooth Ground
Lock Control



PoE
Daisy Chaining



2 YEARS

manufacturer's warranty

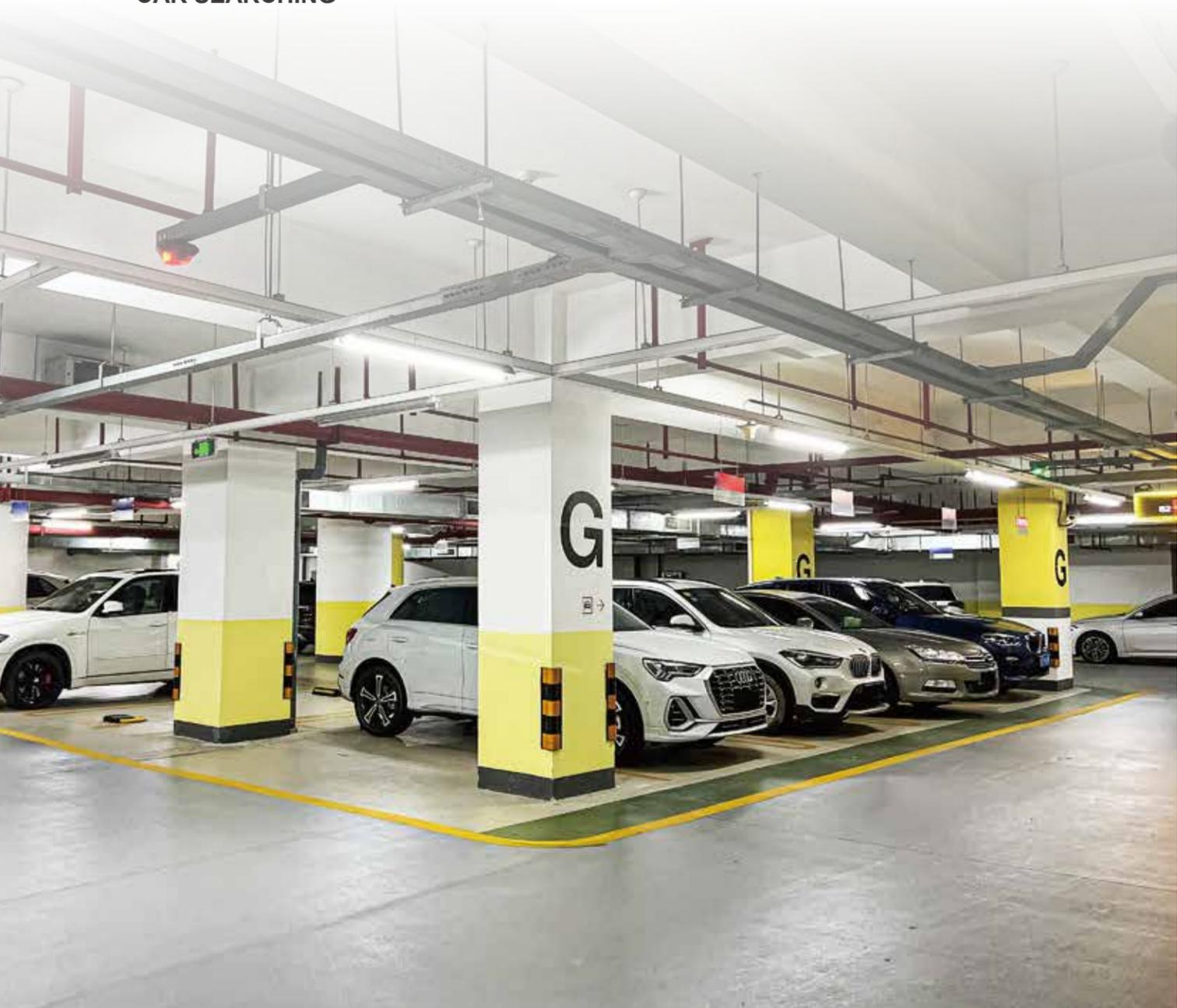
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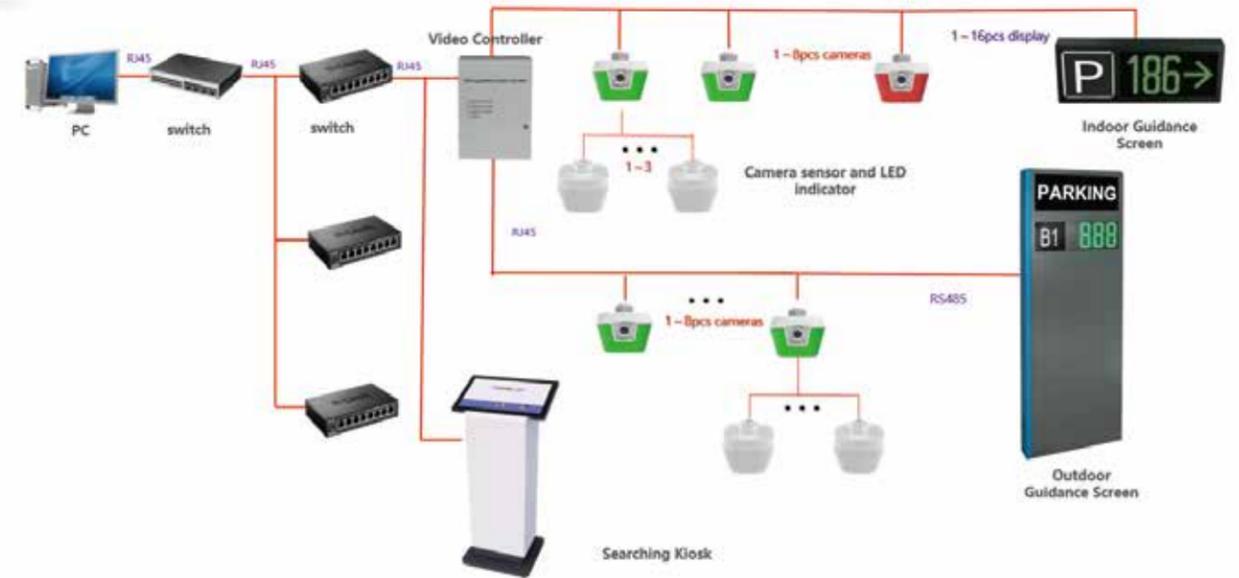
INTELLIGENT PARKING MANAGEMENT SOLUTION

With license plate recognition on the camera sensor, the video parking guidance system can realize parking guidance and car searching both function.

- PARKING GUIDANCE
- AVAILABLE PARKING SPACE
- CAR SEARCHING



SYSTEM STRUCTURE



APPLICATION SCENARIO

Find Parking Lot

Install outdoor guidance screens at the entrance of the parking lot to check the available parking spaces

Find Parking Space

Install parking guidance screens in the parking lot to indicate the available parking spaces in each area

Parking Space Detection

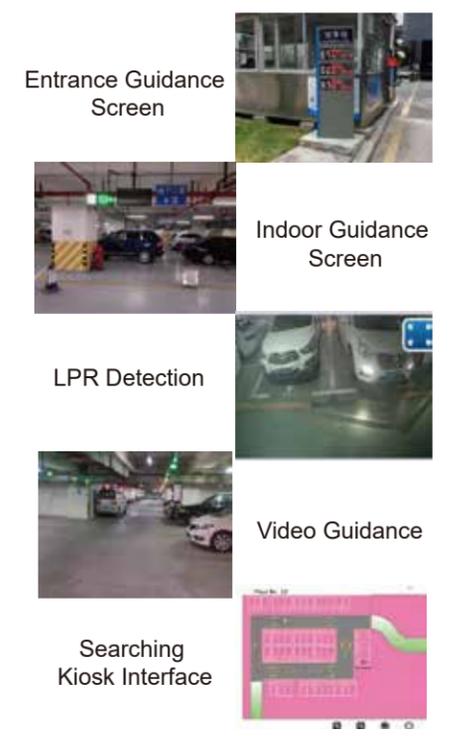
1~3 or 1~6 parking spaces are equipped with camera sensor

Parking Space Indicator

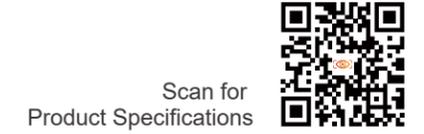
LED indicator is installed on each parking space to show the status

Car Searching

Use searching kiosk to locate the vehicle parking space



2 YEARS
manufacturer's warranty



WHY CHOOSE VZEYE OUR MISSION & COMMITMENT

VZEYE brand was founded in 2009, the brand is located in the traffic and car park hardware and solutions computer vision technology experts, focusing on the field of digital traffic in the perception of technology and perception product design. VZEYE's products and solutions are widely covered in 3 major fields of intelligent parking, intelligent high-speed, intelligent traffic control, and occupy the leading position in the industry in many segmented scenarios.

VZEYE is widely recognised in the market for its leading AI image processing technology and scenario-based product design concepts.

VZEYE is committed to using artificial intelligence image processing technology to empower customers to achieve business success and allow everyone to enjoy the convenience and safety brought by intelligent transport.



EMPOWERING OUR CLIENTS FOR BUSINESS SUCCESS ALL OVER THE WORLD



QATAR



SINGAPORE



INDIA



ENGLAND



MALAYSIA



CHILE

SUPPORTS LICENCE PLATE RECOGNITION IN OVER 100 COUNTRIES AND REGIONS

