KEYTOP®
科拓停车

Leading Smart Parking Solution Provider

www.ikeytop.com

About US

Who Are We?

Established in 2006, Keytop is a leading smart parking solution provider, offering the industry's most comprehensive parking products and solutions. Over 1,000,000 parking spaces installed Keytop solution so far.

What We Do?

At Keytop, we have more than 500 R&D employees to constantly develop and innovate our technologies to drive the world of smart parking to the next level. Keytop is a pioneer to integrate R&D, production, sales and services so as to fulfill our customers' needs with advanced single supplier and one-stop solutions.

What's Our Vision?

Keytop is devoted to making cities smarter and better. Bringing 12 years of industrial expertise, Keytop enables easy carpark management and helps maximize carpark revenue for operators, meanwhile reduces the road congestion and improves parking experience for drivers.

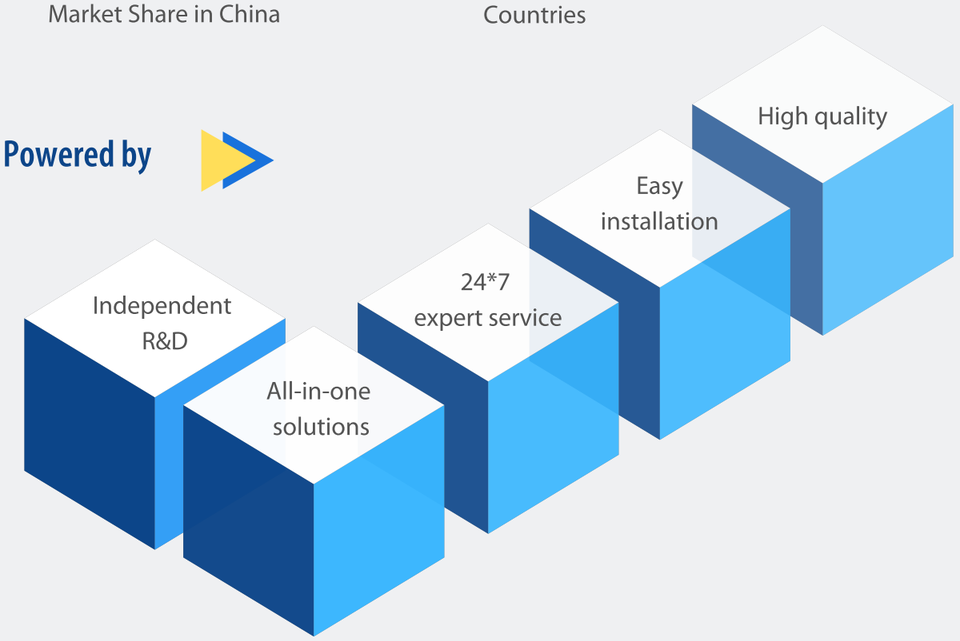
Our Milestones

- **2006** — Ultrasonic Parking Detector and Indicator
- **2010** — Video-based Parking Guidance System
- **2012** — Ticketless Parking Access Control--ANPR
- **2014** — Parking Management System
- **2016** — Corporation with Huawei on Smart Parking
- **2017** — A Strategic Partner of Alibaba Group and Tecent

Our Digits

1,500+ Employees	500+ R&D Staff
10,000+ Car Park Installations	1,000,000+ Parking Space Installations
No.1 Market Share in China	60+ Countries

Powered by



Channel Partners

To expand our business, we are currently looking for competent channel partners and parking system distributors worldwide. We expect to work closely our partners to win over the market and constantly improve our solutions as to cater perfectly to local market needs.

As a channel partner/dealer, you will be able to:

- Best marketing and sales support for revenue generation
- Free technical training for certification
- Marketing and sales incentives for solution promotion/marketing
- Dedicated channel manager and marketing manager contact points
- Tier 1 technical support
- Channel partner protection and project support.

Complete Solution for Your Business

Over the years, Keytop has constantly innovated to develop state-of-the-art systems that make parking efficient for users as well as profitable and easy to manage for carpark operators.

Keytop aims to meet every market expectation by offering a wide range of solutions. With products deployed around the world, bringing together knowledge from each market, Keytop solutions are robust, reliable and designed for long term performance.

- Comfortable and reliable Keytop video-based parking access system powered by ANPR
- Professional data and reporting management with Keytop Parking Management System
- Optimized business processes with real-time monitoring and performance report
- Value-added marketing and sales channels (big data/carpark advertisement)

ANPR access control

Parking guidance system

Parking management system

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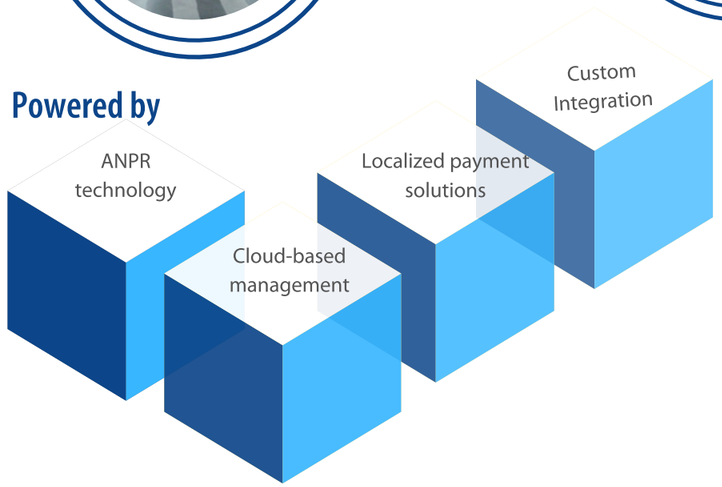


Parking Access Control-ANRP

HD Camera-LPR

- 2-mega pixel IP CAM
- 2.8-12mm lens
- Support WDR & white balance
- Lifetime ≥ 40,000 hrs
- IP 54 protection
- Working voltage: AC110-220V
- High brightness, long distance

98%+ accuracy
dual camera

Light Weight Portable Barrier

- 1.5s high speed raising up
- 3-meter, carbon fiber made, portable
- IP55 protection
- Operating times ≥ 5 million
- Working temperature: - 40 °C to 85 °C
- Working voltage: AC110-220V
- Size: 293×361×1040mm

99.9% reliability
hot standby system

100% flexibility
customization
and integration

Auto Pay Station

- Support various and secure payment options (cash/credit card/bank card, discount tickets)
- Save labor cost for fee collection
- Enhance transparency and automation
- Easy payment and quick operation to reduce congestion at the exit gates

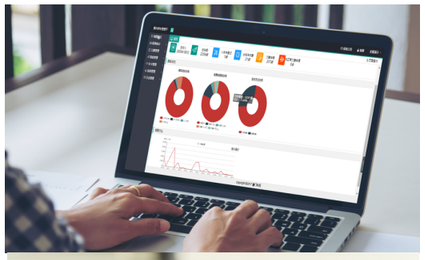
Keytop Advantages

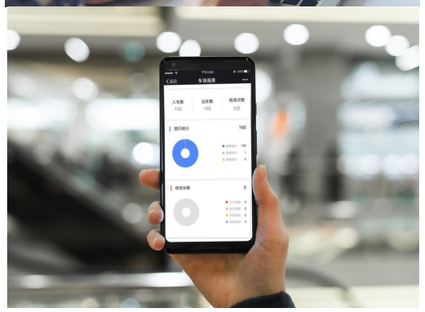
- Unmanned access control to reduce labor cost and management
- Unrivaled reliability with dual camera system and hot standby system
- Designed for long-term performance. waterproof, easy installation and maintenance

Parking Management System

Targets:

- Enable garage operators to design the car park best and react proactively with a perfect overview of the current facility operation and performance
- Enable customers to enter and exit smoothly, experience well-informed parking
- Enable anytime and anywhere performance monitoring





Advantages:

- Support mass and easy parking facility configuration
- Gate control, device setup, charge rule setup, black and white list etc.
- Graphical intuitive dashboard provides reports, audits and performance analysis and so on, all at a glance
- Real-time updates of facility operation status enable quick response to abnormalities with the parking facilities

Benefits:

For Operative Staff

- Easily setup the access control rules, charge rules etc. to best plan the carpark and enable fully automated car park management.
- Effortless carpark monitoring and quick response to entrance/exit lane congestion, facility failure, license plate misread etc.
- Support integration with add-on systems for unified management

For Business Analytics/Statistics

- Performance statistics: turnover, payment method, parking time, different customer groups (contract, temporary, reservation etc)
- Traffic flow statistics: entry and exit time, car flow, and congestion, parking space occupancy status
- Support customization

Flexible Automation

Revenue Increase

Massive Management

Parking Payment System

For Guests

Honest Payment

With Keytop access control system based on ANPR, the parking time will be automatically calculated in the system and show to the customers.

Flexible Payment Methods

Integration of various payment methods including electronic, cash, bank card, credit card payment. It enables customers to pay easily and smoothly exit.

Contract Parking

For customers who park regularly, they can go with long term parking solution, by paying monthly/quarterly in advance as as to enter and exit the car park directly.

For Carpark Management

Integration with Discounts/Coupons

For customer retention and royalty, you can develop your discount rules for parking fees. Keytop payment system can flexibly support the integration and setup of the discount rules based on your requirements.

Data Storage and Parking Invoice

For customers' right for information, the system support the storage of car information for 30 days, and allow export for the customers for security or enforcement needs.

Advertising Opportunities

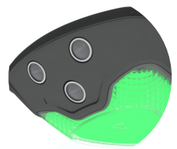
Take advantages of the columns of the automated pay station and the kiosk providing the advertising spaces to generate additional revenues.

Parking Guidance System

Keytop designed its complete parking guidance systems to meet the needs of various car parks, indoor and outdoor, vertical and on-street. With the Keytop Parking Guidance System you ensure optimal use of your system, reduce time spent searching for a parking space, better overall traffic flow in the car park and provide more comfort with informed way finding.

Signs at the entrance and through out the decision-making points indicate available parking spaces. Digital signs display the directional symbols to guide the driver to the nearest parking space. Each parking space is equipped with Keytop parking space occupancy detection sensor. The dual color indicator guides the driver to the vacant space easily and quickly.

Co-working with the parking management web portal, the operator can timely monitor the parking status for efficient management

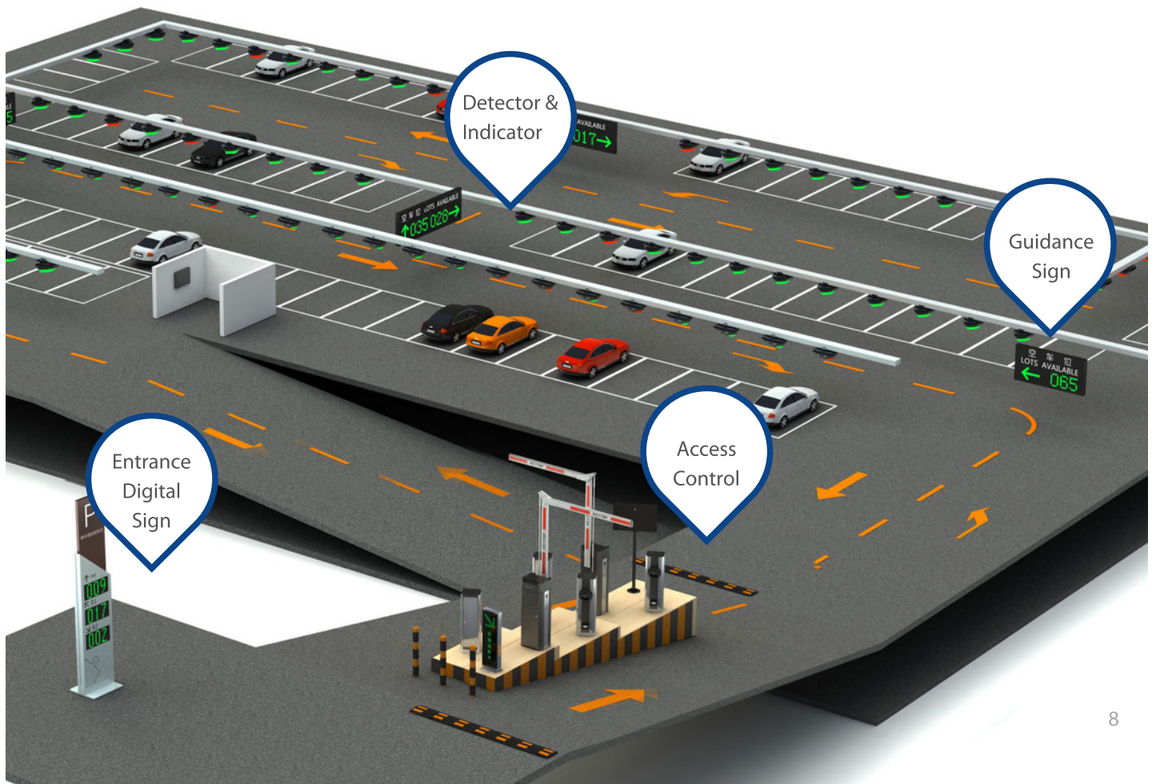


Ultrasonic system

IP camera system

Digital signs

Back-end system



Indoor Parking Guidance System-Ultrasonic Sensor

Keytop Ultrasonic Front Mounting Detector system is an all-in-one system for parking guidance. It is a cost-effective solution for carpark operators/developers to optimize parking experience for drivers.

The Keytop Ultrasonic Front Mounting Detector combines ultrasonic detector with a dual-color LED indicator, making the wiring of the carpark easy and simple, meanwhile provides an elegant look of the carpark.

Benefits:

Lower overall installation cost

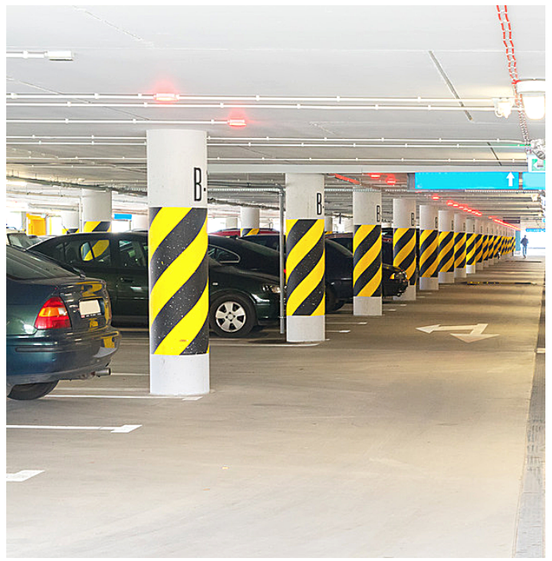
- 12 USD installation fee can be saved per space
- 60% of the cable cost can be saved by using CAT5/6 network cable

Simplified management workflow

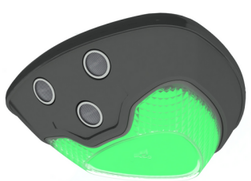
- Web-based software platform for real-time garage management and monitoring, anytime and anywhere
- Real-time system status checking even offline via Keytop Zone Control Unit

Easy installation and maintenance

- Each sensor is connected by CAT5/6 cable via a RJ45 plugable connector
- Data socket provided for third-party integration



Main components:



Keytop Front Mounting Sensor

- Slim, light weight
- Built-in dual color LED indicator, no extra LED lights required
- Lower cost and easier to install

Keytop Zone Control Unit

- Control detection sensors
- Real-time data collection
- Data transferred to the Central Control Unit

Keytop Central Control Unit

- Control up to 60 pcs of ZCU
- Store the data and send command
- The core of the system

Outdoor Parking Guidance System-Wireless Guidance

Keytop's comprehensive range of smart parking solutions also include outdoor parking guidance for parking lots without a ceiling or overhead roof. Keytop offers two types of wireless outdoor parking, respectively based on wireless ultrasonic sensor and wireless magnetic detector.

Once the vehicle is detected, the occupancy status indicator displays red color and the info is timely updated to the entrance signs to inform customers.

Main components:

Entrance Main Sign

- Four digits
- Illuminated

Wireless Magnetic Sensor

- Cost-effective
- Waterproof, anti-corrosion, all weather operation
- Long battery life 5+years

Wireless Ultrasonic Sensor

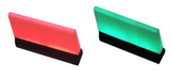
- Great flexibility
- Higher accuracy

Solar Zone Control Unit

- Wireless, all-weather working
- Real-time update the parking occupancy

Central Control Unit

- Control up to 60 pcs ZCU
- Store the data and send command



Dual-color LED Indicator

Indoor Parking Guidance System-IP Camera

For large parking lots such as airport, high-end shopping center where thousands of carpark everyday. It becomes vital for parking operators to satisfy their customers and enhance the patronage of customers.

Keytop IP camera detector runs on backend first-class LPR technology and provides a complete solution to tremendously enhance customer experience and simplify management for operators, enabling:

- License plate recognition
- "Find My Car" functionality
- Video stream capture

Indoor Parking Guidance System-IP Camera

Benefits:

Market-leading detection capability

- Based on the most advanced detection algorithms
- Co-work with the Keytop ANPR parking access control for 99.9% recognition accuracy rate.
- Integration with back-end Keytop Parking Management System for real-time monitoring and management

Visualized Monitoring

- Support 2048*1536-pixel resolution to accurately detect the car presence even in a bad lighting condition.
- Work as 24*7 CCTV for car security.
- Storage of real time network data and retrieval of visual evidences to mitigate disputes from collisions or theft.

"Find My Car" application

- It's as simple as typing in your license plate or the park bay No., and the Car Locator will immediately give you the level, section, parking space number and directions to the car from your current location.

Hong Kong-Zhuhai-Macau Bridge

As one of the China's Mega Projects, HKZMB is a 55-kilometer (34 miles) bridge–tunnel system consisting of a series of three cable-stayed bridges, an undersea tunnel, and four artificial islands. It is both the longest sea crossing and the longest open-sea fixed link on earth.

Solution: Keytop Video-based Parking Guidance System

Total: 7,000 parking spaces installed

Huawei Office Park South Africa

As a leading global information and communications technology (ICT) solutions provider with nearly 188,000 employees, Huawei operates in more than 170 countries and regions, serving more than three billion people around the world.

In 2006, Keytop signed with Huawei to be the exclusive smart parking solution provider for its office park with over 35,000 parking spaces.

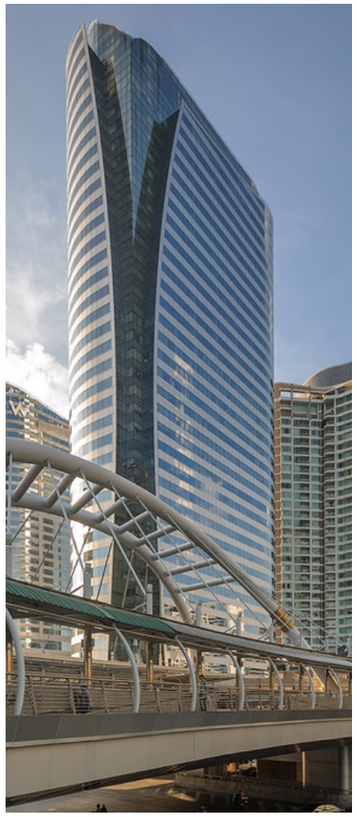
Shreveport Convention Center, Louisiana, USA

The Shreveport Convention Center is a multi-purpose, state-of-the-art facility designed to accommodate any event, from major conventions and trade shows to intimate gatherings such as wedding receptions and banquets. The facility features more than 350,000 square feet of meeting space that can be tailored to any groups needs.
Solution: Keytop video-based parking guidance system for over 800 parking spaces.

Metropolitan Methodist Hospital, Texas, USA

Metropolitan Methodist Hospital is a 316-bed hospital providing a complete range of health care services in San Antonio. The hospital offers outstanding cardiac care, general and surgical care, behavioral medicine, neurosurgery, inpatient and outpatient rehabilitation services, sleep disorders evaluation and the largest emergency department in downtown San Antonio.
Solution: Keytop ANPR based parking management system

Customer Cases (Partical List)



Sathorn Square
Thailand

Tiong Bahru Plaza
Singapore

Robinson's Galleria
Philippine

City Square Mall
Singapore

Asian Development Bank
Philippine

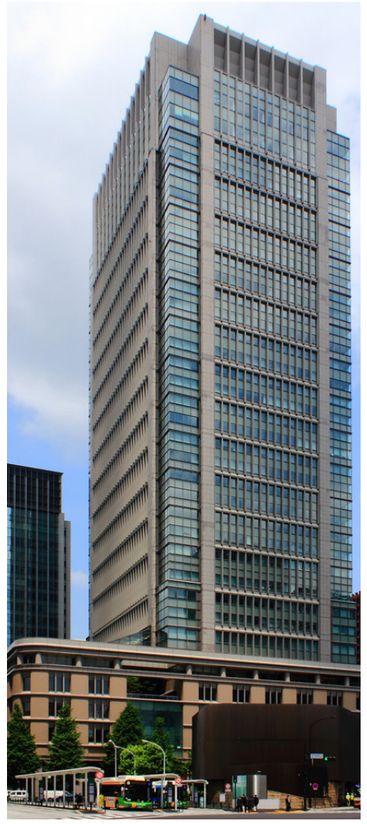
Harbourfront Centre
Singapore

SM Mall of Asia
Philippine

Tiong Bahru Plaza
Singapore

Hougang Mall
Singapore

Customer Cases (Partical List)



Shin-Tokyo Building
Japan

Subsea7 Office Building
Norway

Park Azure
Azerbaijan

Mega Bangna
Thailand

Sberbank
Russia

Quicentro Shopping Center
Ecuador

King Saud University Hospital
South Africa

Pacific Place
Indonesia

Pacific Place
Indonesia