



VIGILATE

www.vigilatevision.com

XPARK PARKING SYSTEM SOLUTIONS

**Smart Parking:
technology and control,
everywhere**

Integrated solutions for
license plate reading
and centralized parking
management software



Intelligent and centralized parking management, with or without payment

XPARK is the ultimate software solution for the automated management of both free and paid parking, powered by ANPR (Automatic Number Plate Recognition) technology.

Designed for businesses, public institutions, healthcare facilities, hotels, and logistics providers, it offers advanced and scalable control of vehicle flows, seamlessly integrating with payment systems and parking meters.

All operations can be managed conveniently from a single web interface.

Barrier



Free flow



Key Features & Benefits

- **Centralized Multi-Site Management:** Effortlessly manage multiple parking lots from a single, user-friendly platform.
- **Seamless Access Control:** Our system integrates with a wide range of access points, from barriers and gates to free-flow access systems.
- **Flexible Revenue & Access Models:** Configure your parking to be free or paid, with different rates and access rules for various user groups.
- **Adaptable to Any Environment:** Whether it's a corporate headquarters, a retail center, a gym, or a public lot, XPARK adapts to your specific needs. It's also suitable for truck logistics and other specialized parking types.

Advanced User & Vehicle Configuration

- **Effortless Management:** Easily manage vehicle owners and license plates with blacklists, whitelists, and group configurations.
- **Mass Data Import:** Streamline your workflow by importing user data via XLS/CSV files.

Customizable Scheduling

- **Flexible Operations:** Set specific opening and closing times, define paid periods, and configure unique rates based on time of day, day of the week, or special events.
- **Smart Rules:** Implement custom rules like no-entry periods or tolerance times for vehicles.

Optimized Space Management

- **Capacity Control:** Define and manage the maximum number of vehicles allowed, by user type or group.

Diverse Access Options

- **Multiple Entry Methods:** Provide users with a variety of ways to access your facility, including license plate recognition, QR codes, and single or multiple-use passes.

Intelligent Reporting & Analytics

- **Automatic Reconciliation:** XPARK automatically reconciles vehicle transits, providing accurate and reliable data.
- **Comprehensive Statistics:** Access detailed statistics and reports to gain insights into your parking operations.

Integration & Automation

- **Penalty Generation:** Configure and generate sanctions automatically, with the option to integrate with third-party penalty systems.
- **Hardware Compatibility:** XPARK works seamlessly with third-party parking machines and is compatible with variable-message signs (VMS) for dynamic communication with drivers.

FLEXIBLE SOLUTIONS FOR EVERY ACCESS AND CONTROL SCENARIO



Adaptable Designs for Private, Public, and Paid Access Management

Vigilate's parking management system is designed to support a wide range of parking architectures, offering unmatched flexibility and scalability. Whether the facility is a private parking area with a barrier or a paid free-flow zone, our technology seamlessly adapts to every context. It supports single or multiple access points and can manage simple single-area configurations as well as complex nested parking zones. From gated corporate lots to urban public parking or large commercial hubs, Vigilate provides an intelligent, integrated, and customizable solution that enhances operational efficiency and user experience alike.

SCHEDA SANZIONE - PARKVORGANG NICHT BEZAHLT - OKML186E

APPROVA ED INVIA | CONTRASSEGNA COME 'NON VALIDA' | ESPORTA SANZIONE | ANNULLA

INFORMAZIONI GENERALI

Data sanzione	Targa	Targa formattata	Stato sanzione	Descrizione	Codice sanzione	Parcheggio
17/07/2025 09:59	OK*	OK*	Non confermato	Parkvorgang nicht bezahlt	PH1	2176 - Muhlencenter - Cubanzstrasse 19b, 18225 Kuehlungsborn

TRANSITO ENTRATA

16/07/2025 09:47:19

TRANSITO USCITA

16/07/2025 09:58:34

16/07/2025 09:58:34

16/07/2025 09:58:34

16/07/2025 09:58:34

RICERCA TRANSITO

Park devices map

MAPPA SITI

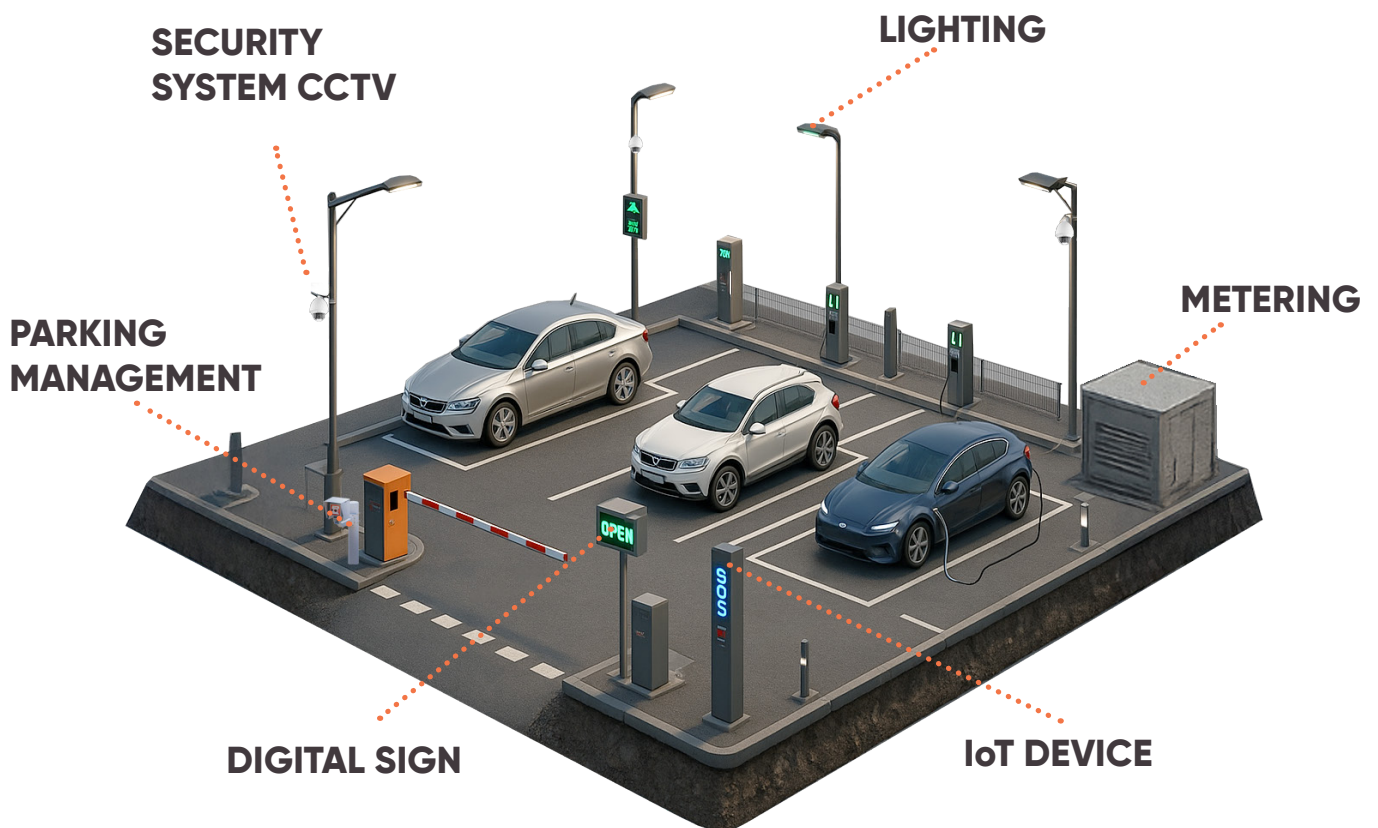
Parks presence

ID	Localita	Stato	Ultimo aggiornamento
1001
1002
1003

Parking timing

The universal platform for Security and Traffic Management

With V-Suite, even basic parking systems can become smart and efficient. Start with XPARK for license plate-based access in free-parking areas, then expand with modules for security, diagnostics, energy, and IoT. **V-SUITE offers a modular, centralized platform with a single intuitive interface**, ideal for managing any site—from private lots to Smart Cities. Using XPARK means entering a scalable ecosystem ready to grow with your needs.



Benefits of a Unified Platform for Parking Systems

Centralized control:

Manage all parking facilities from a single platform, accessible from any location.

Vertical dashboards:

Dedicated monitoring for each area (security, energy, diagnostics, IoT) within the same workspace.

Seamless integration:

Each module communicates natively with others, no need for third-party systems.

Operational efficiency:

Faster interventions and optimized management through aggregated data and coordinated actions.

Visibility and security:

Continuous, real-time control over critical events and sensitive devices.

Data-driven decisions:

Cross-analysis between multiple parking sites and modules for more effective operational and predictive strategies.

REAL-TIME SUPERVISION OF ALL CONNECTED PARKING AREA



XPARK

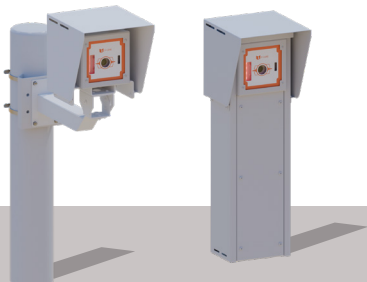




Main Features

- Centralized management from anywhere: Cloud and on-premise
- Management of private parking spaces with barriers
- Management of FreeFlow private parking spaces
- Management of paid parking spaces with barriers
- Whitelist/blacklist, time slots
- Map view: all parking spaces and vehicles monitored in real time
- Complete history: transits, parking, payments, and fines
- Management of access rights for individual users or groups
- Reconciliation of missed readings and management of anomalies
- Management of nested areas and multiple accesses

STOP & GO ACCESS

The Stop&Go gate is designed for scenarios where the vehicle comes to a complete stop, typically in front of a barrier. This setup allows the ANPR camera to operate under ideal conditions: stationary vehicle, stable framing, and controlled lighting. As a result, technical requirements are lower: a camera optimized for low-speed or stationary reading is sufficient, as long as it delivers good image quality and accurate OCR.



<p>V-LANE A0B 2MP@60fps</p>	<ul style="list-style-type: none"> • Fixed lens 8mm • Car distance 4-8m • Gate width up to 4m • Flash memory • Camera height 2.5m or 0.7m width tower module
	

<p>V-LANE A1BP 2MPX@60 fps</p>	<ul style="list-style-type: none"> • Flash memory
<p>V-LANE A2BP 2MP@60fps</p>	<ul style="list-style-type: none"> • SSD • Advanced classification algorithms
	
	<ul style="list-style-type: none"> • Fixed lens 4mm Car distance 2-4m or • Fixed lens 8mm Car distance 4-8m • Gate up to 4m of width • Camera Height 2.5m

FREE FLOW ACCESS

Free gate manages continuous vehicle flows, with vehicles passing even at high speeds. Here, the camera must capture and process images in real time, using high frame rates and advanced algorithms to handle speed, angle variations, and changing light conditions. The impact on the camera is significant: high-performance devices are needed to ensure reliable readings in dynamic environments.

<p>V-LANE A5B 5MPX@75 fps</p>	<ul style="list-style-type: none"> • Varifocal lens 12-35mm • Camera height 2.5m • Car distance 8m-up to 20m • Gate width up to 8m • SSD • Advanced classification algorithms • Option: motorized lens
	
	

<p>V-LANE A1B 2MPX@60 fps</p>	<ul style="list-style-type: none"> • Flash memory
<p>V-LANE A2B 2MP@60fps</p>	<ul style="list-style-type: none"> • SSD • Advanced classification algorithms
	
	<ul style="list-style-type: none"> • Varifocal lens 12-35mm Car distance 8m - up to 20m • Gate up to 4m of width • Camera Height 2.5m

"License plate recognition cameras from other manufacturers can also be used."

PLATFORM SERVERS ARCHITECTURE



XPARK



ANPR GENERAL FEATURES

ANPR

Automatic Number Plate Recognition

- OCR 27 UE Countries
- ADR - Kemler Code - dangerous goods
- Special Plates (police - government etc.)

Standard Protocols

- TCP (binary, XML, string)
- FTP
- RPC - XML over HTTP / HTTPS
- Serial Protocol over RS485
- CUSTOM (TCP, HTTP/S with fully customizable payload)
- WIEGAND Option

Video

- Real-time RTSP / HLS H264 streaming
- Onvif S Profile streaming

A.I. (no A1B A1BP)

- Maker Detection
- Vehicle Class Detection
- Vehicles Color Detection

Certifications

- Certified ISDP10003 privacy by design
- OCR library validated several times by UNI 10772:2016 Class A

Engaged Systems

- Scheidt & Bachmann
- Parkit
- Came
- Parkeon
- FlowBird Go
- Zucchetti Axess
- Selestia Zucchetti

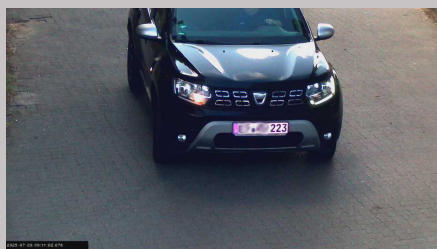
Technical features

- IP67
- 12/24Vdc or UPoE
- Power supply 10/15W
- 2 Input Opto
- 2 Output Opto
- Serial Port 485

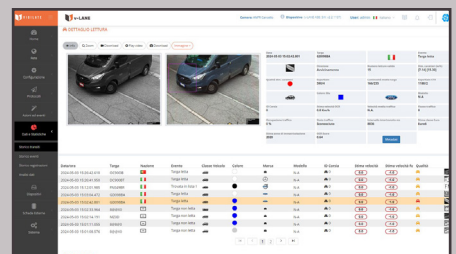
OCR Image



Color Context Image



Configurator



Vigilate is a “tech company” specialized in the production of devices and software platforms for security and traffic control.

Certifications

EN ISO 9001 :2015
ISO/IEC 27001:2022
ISO/IEC 27017:2015
ISO/IEC 27018:2019
ISDP©10003:2020 (Traffic system)



Vigilate S.r.l.

**Sede Legale e operativa:
Via Napoleonica, 6,
25086 Rezzato BS Italy**

**Partita IVA: IT01598660056
Tel: +39.0308081000
Pec: vigilatesrl@pec.it
Codice SDI: W7YVJK9**

www.vigilatevision.com

