



ANPR PARKING MANAGEMENT SYSTEM

Ticketless entry. Verified exit.
Automated barrier control.

ENTRY + EXIT • QR PAYMENT READY • REAL-TIME PMS

AGMATIC | SMART ACCESS. STRONG ENGINEERING.



One vehicle record controls the parking journey

01

ENTRY

- Detect the vehicle
- Read the plate
- Create the entry record
- Open after authorization

02

PARK

- Start the parking timer
- Apply the configured tariff
- Maintain one live stay record
- Prepare the exit calculation

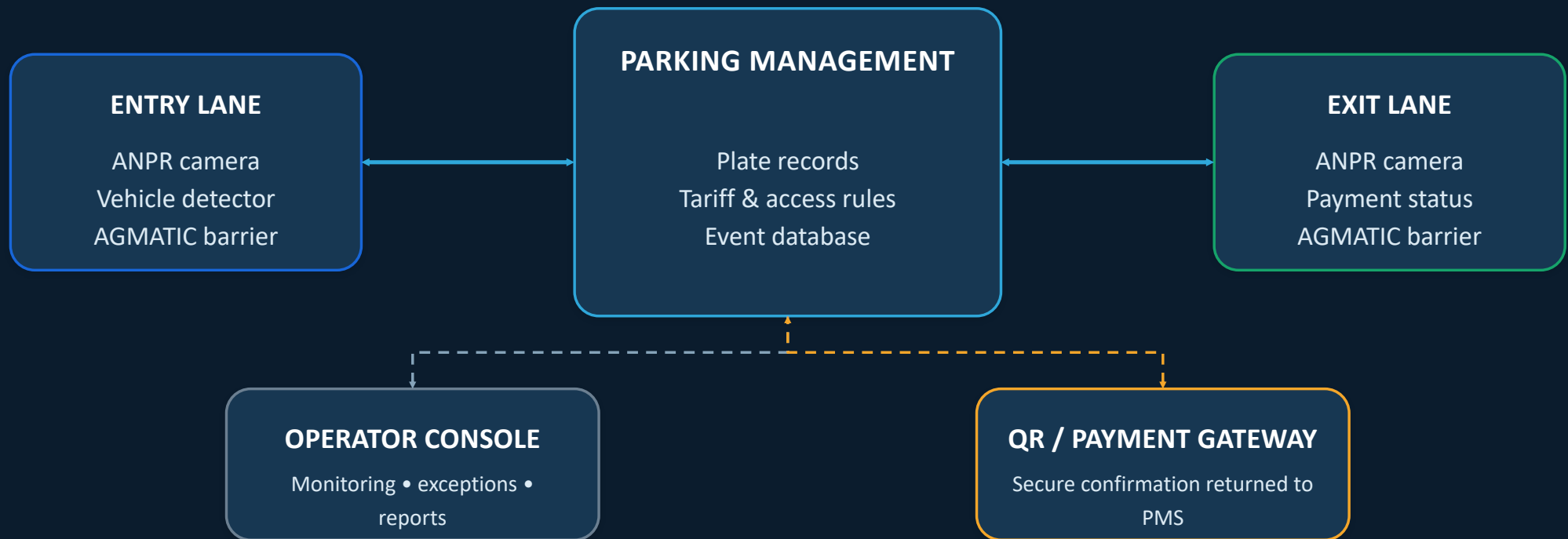
03

EXIT

- Read the plate again
- Match the entry record
- Verify free or paid status
- Open, clear and close

No paper ticket, no manual lookup and no barrier command without a system decision.

Entry and exit operate as one coordinated system



Lane safety stays local; access, tariff and payment decisions stay traceable.

Each lane combines identity, control and safety



AGMATIC BARRIER

DC PRO36 shown — final model and boom length follow the lane survey.

- ANPR camera with infrared illumination
- Vehicle presence / trigger detector
- Safety loop plus photocell or radar
- Lane controller and network connection
- Optional lane display or QR screen



The camera decides identity. The safety devices decide whether the boom may move safely.



Verified plates open the entry barrier



Safety rule: the vehicle must fully clear the detection zone before the close command is completed.

ANPR creates the vehicle identity record

THE ENTRY RECORD

- Recognized plate number
- Entry date and time
- Vehicle entry image
- Lane / camera reference
- Authorization status
- Temporary ID for no-plate cases



One record links the stay, payment status and final exit.

Access policy controls the entry barrier

STEP 3 ENTRY AUTHORIZATION



AUTHORIZED

Whitelist, tenant, member or approved vehicle → open immediately.

PUBLIC / VISITOR

Create an active parking record and apply the configured tariff.

EXCEPTION

Unreliable or missing plate → temporary ID or operator review.

Barrier authorization and vehicle-safety detection are separate checks—and both must be satisfied.

Parking time starts at entry and is settled at exit

0–30 MIN

FREE

30–60 MIN

AED 10

60+ MIN

CONFIGURABLE

Example tariff from the supplied requirement; final rates remain customer-configurable.

STEP 1 PARKING TIME CALCULATION

The system starts counting the parking duration immediately after entry.



EXAMPLE TARIFF

PARKING DURATION	CHARGE
First 30 Minutes	FREE
30 – 60 Minutes	AED 10
Every Additional Hour	CONFIGURABLE

Tariff can be fully configured as per customer requirement.

HOW IT WORKS



PARKING MANAGEMENT SYSTEM (PMS)

Live Parking Overview

Vehicle	Entry Time	Current Time	Duration	Status
A 12345	22-05-2025 10:24 AM	22-05-2025 10:54 AM	00h : 30m	PARKING

Duration	Tariff Applied	Amount
00h : 30m	FREE	AED 0.00

Exit matching happens before the barrier moves



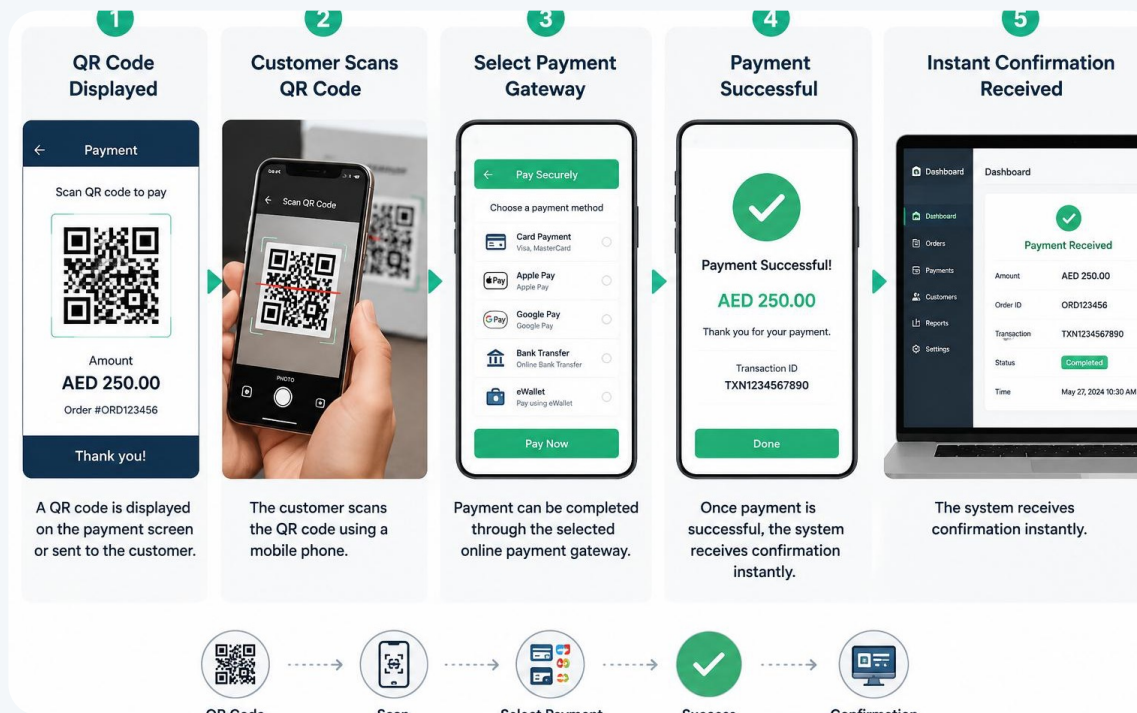
- 1 Capture the exit plate
- 2 Match the active entry record
- 3 Calculate total parking time
- 4 Check access or payment status

FREE / PAID → OPEN

AMOUNT DUE → QR

Exceptions are sent to the operator workflow.

QR payment verifies payment before exit



- 1 SCAN**
Driver scans the displayed or received QR code.
- 2 PAY**
The selected online payment gateway processes the charge.
- 3 CONFIRM**
The PMS receives successful payment confirmation.
- 4 RELEASE**
The exit status becomes eligible for barrier opening.

Payment gateway and merchant onboarding are confirmed during integration.

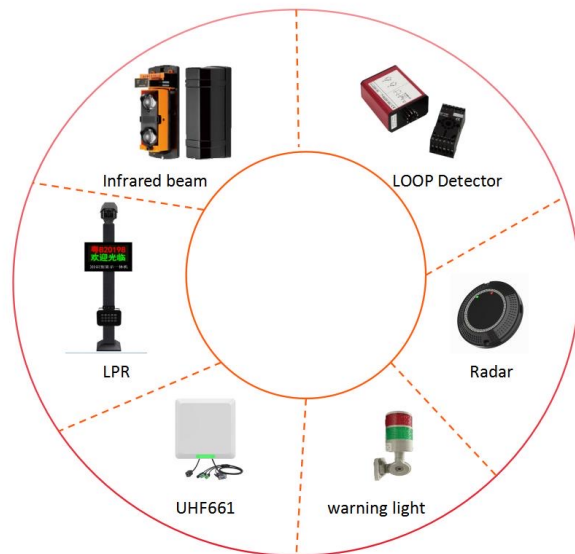


Verified exit opens, clears and closes automatically

- 1 Exit camera confirms the plate
- 2 PMS verifies free or paid status
- 3 AGMATIC barrier opens
- 4 Vehicle clears the safety zone
- 5 Barrier closes automatically
- 6 Transaction is archived

The safety loop keeps the boom open while a vehicle is detected.

Safety logic protects every barrier cycle



Typical compatible devices

PRESENCE

Vehicle detector triggers the capture zone.

INHIBIT

Loop, photocell or radar prevents unsafe closing.

REVERSE

Obstacle detection can command reopen / auto-reverse.

CLEAR

Closing proceeds after the vehicle zone is clear.

MANUAL

Release or emergency-open input supports exceptions.

Final safety configuration follows lane geometry, traffic conditions and consultant requirements.

Every barrier event becomes searchable

CENTRAL MANAGEMENT

- Real-time entry and exit monitoring
- Whitelist / blacklist management
- Event and transaction logs
- Parking and occupancy reports
- Revenue and payment reports
- Searchable plate history

ANPR

Automatic Number Plate Recognition

ANPR is an intelligent vehicle identification technology that uses high-resolution cameras and advanced image processing to automatically detect and read vehicle license plates.

- Fast & Accurate Recognition
- Contactless Entry & Exit
- Enhanced Security
- Real-time Monitoring & Reporting
- Seamless Integration



HOW ANPR WORKS



- Improves Security
- Reduces Manual Effort
- Speeds Up Vehicle Flow
- Provides Reliable Reports

Every command is linked to a plate, time, lane and status.

Three layers complete the deployment

ENTRY LANE

- AGMATIC barrier
- Entry ANPR camera
- Trigger + safety detection
- Lane controller / network
- Local barrier controls

CENTRAL SYSTEM

- PMS software and database
- Tariff and access rules
- Operator workstation
- Reports and event logs
- Payment-gateway interface

EXIT LANE

- AGMATIC barrier
- Exit ANPR camera
- Trigger + safety detection
- QR display when required
- Verified open / auto-close

SITE CONFIRMATION

Lane dimensions • boom length • camera angle • civil base & ducting • power • network • payment account

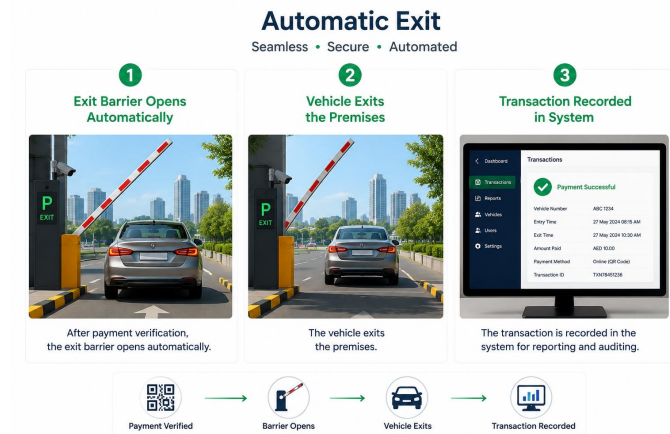


A faster, safer parking journey—without tickets

Approve a site survey to confirm lane geometry, camera angles, barrier model and boom length, safety devices, network and payment interface.

NEXT STEP | SITE SURVEY & INTERFACE CONFIRMATION

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ENTRY • MATCH • PAY • EXIT

AGMATIC | SMART ACCESS. STRONG ENGINEERING.