

# ENTRANCE & EXIT CONTROL FOR VEHICLES

-Security  
-Efficiency  
-End-to-End



## Vehicle Safety

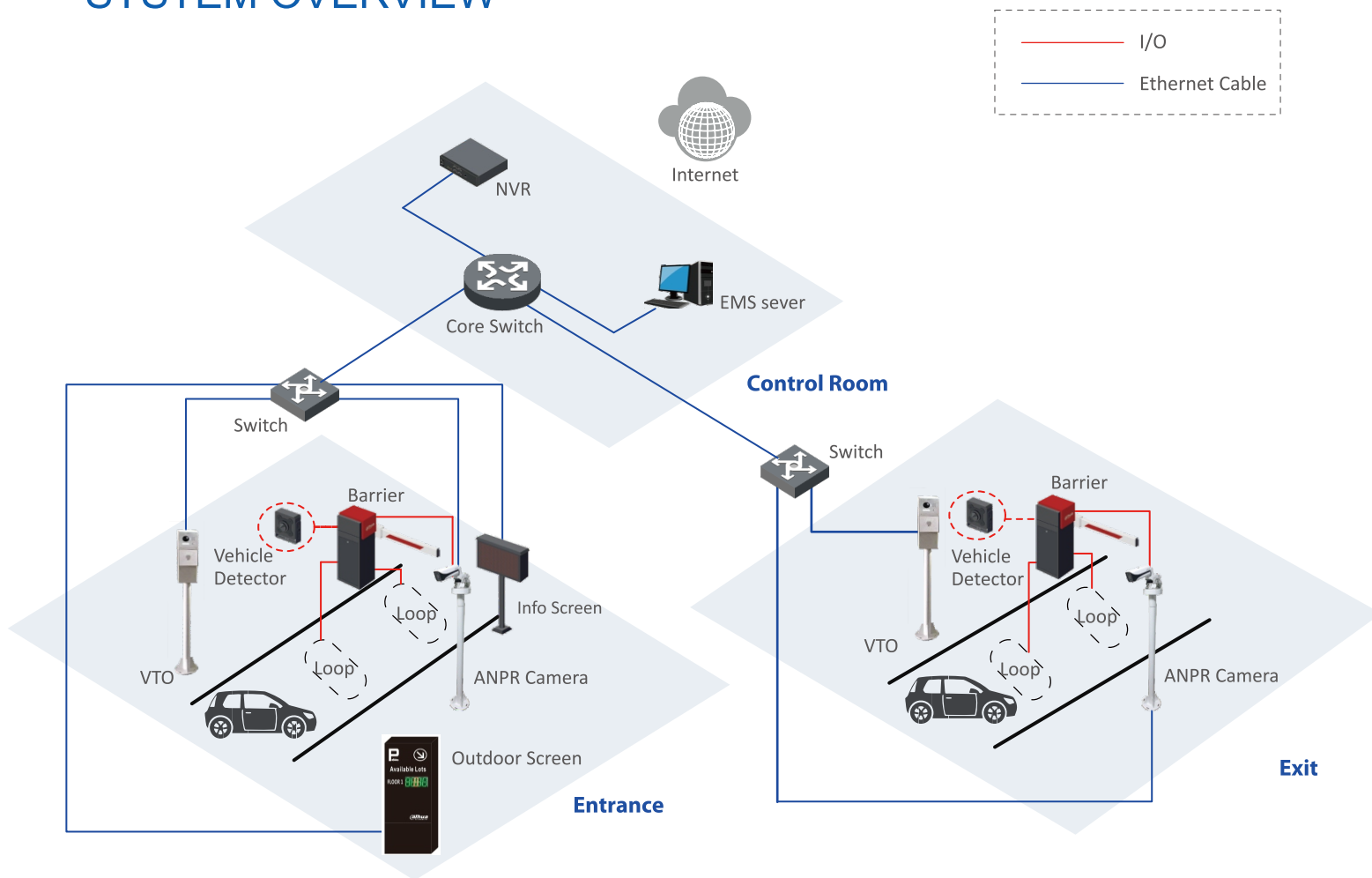
- ANPR record
- Dual video stream
- Intercom for emergency



## High Efficiency

- ANPR to open barrier
- Flexible white list
- Show available parking lots

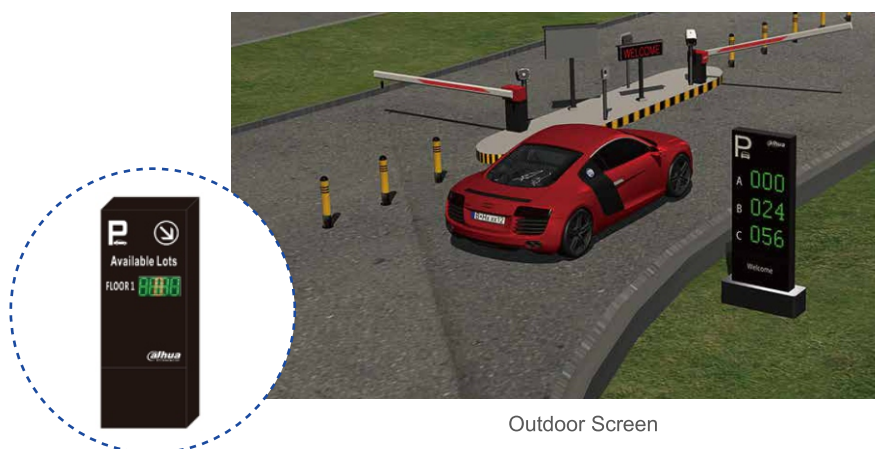
# SYSTEM OVERVIEW



## APPLICATION DETAILS

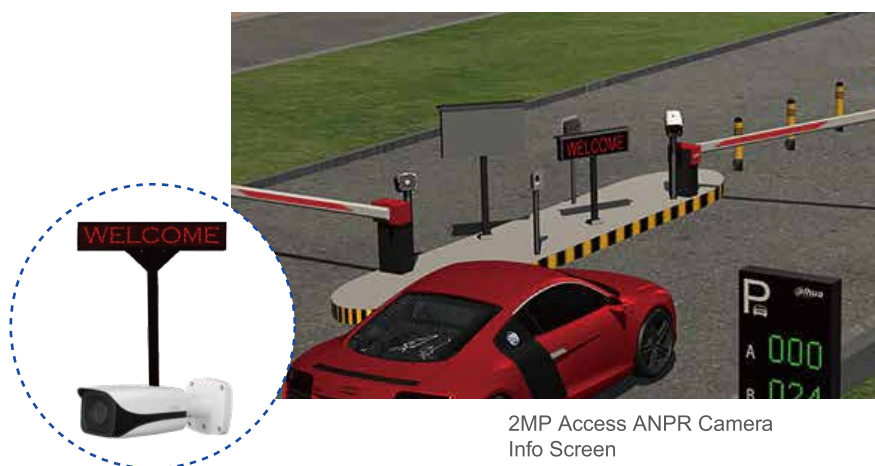
### Entrance & Exit – High Efficiency

- **Outdoor Screen:** Clearly shows the available number of parking lots and help driver to know if the parking is occupied or empty.
- **Info Screen:** Clearly show the car plate info for driver, to indicate driver related informaton when barrier doesn't open and help driver to acknowledge the vehicle plate.
- **ANPR Camera:** Capture and recognize the vehicle plate with video & loop detecton, relay out to enable the opening of the barrier and improve the entrance efficiency and safety.
- **VTO:** Inter-communicaton with security center when ANPR functon fails to reduce the necessity of guard on-site.
- **Barrier:** Automatc open with remote authorizatn and close with loop detector.



Outdoor Screen

Clear indication of available parking lots to guide the visitor and to reduce the efforts of parking lot search



2MP Access ANPR Camera  
Info Screen

For a 3-4 meter-width entrance, ANPR camera can detect the moving car in 3-8 meters distance with the assistance of video & loop. Snapshot will then help to recognize the plate number. The plate data, plate cut out, and overview image and video from camera will be stored in the platform for late search. The barrier will be automatically opened in less than 1 second via alarm out if the plate number is already registered in whitelist.

Once the number plate is recognized successfully, the info screen will indicate the plate number, helping driver to acknowledge.

ANPR with over 95% recognition rate and remote authorization via control center can greatly reduce the human intervene and increase the operation efficiency.

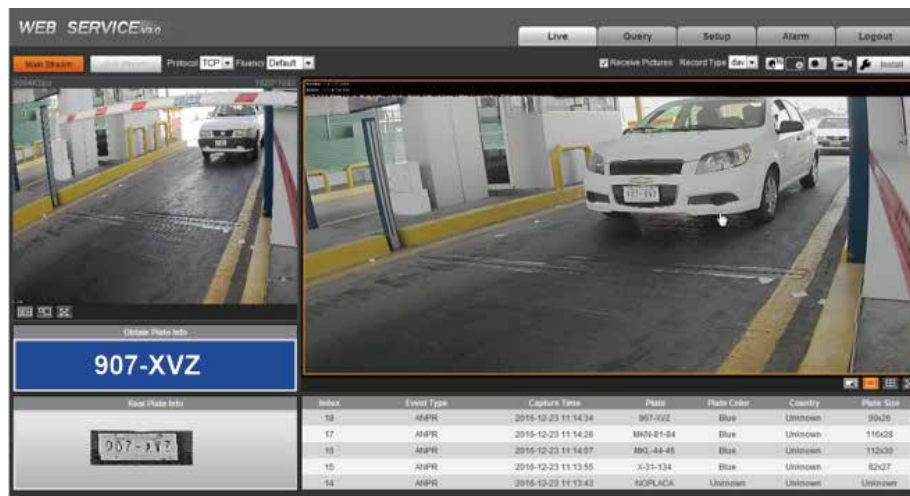


- Embedded ANPR, complete plate recognition in less than 1 second
- Video recognition, reduce construction cost greatly
- Present plate cutout, vehicle overview image and live video
- Video & Loop detection, improve recognition rate to more than 95%

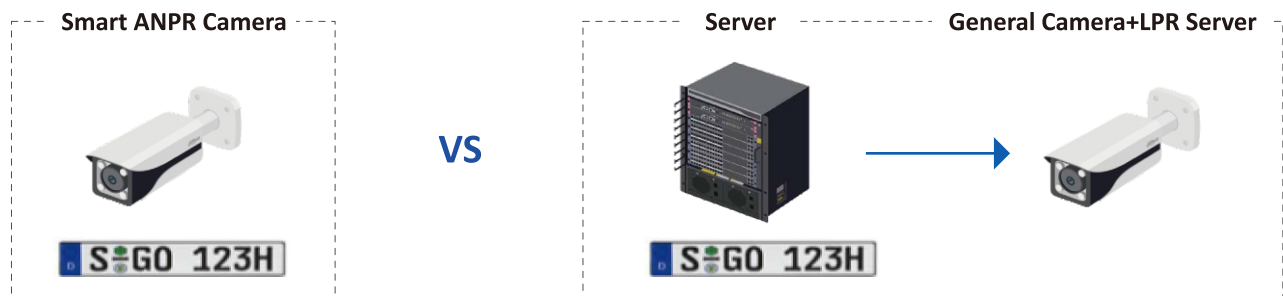
### Embedded ANPR

High ANPR accuracy, Plate capture rate by video  $\geq 98\%$ ; Recognition rate  $\geq 95\%$

With built-in intelligent video analytics, the camera is able to detect and recognize moving vehicle's plate number in low speed less than 40km/h. No matter for approaching or departing ring vehicle, the access ANPR will take a snapshot for plate cutout, vehicle overview picture and also record the surveillance video.



Our embedded ANPR's advantage



	Smart ANPR Camera	General Camera + LPR Server
<b>Bandwidth</b>	Less (Transfer image and plate)	Much more (Transfer the video)
<b>Cost</b>	Cost Saving (Only camera cost)	Expensive (Separate LPR server cost)
<b>Reliability</b>	Network independent (Work when network is offline)	Network dependent (Can't work if network is offline)