



Zento Tech®

LPR Ticket Dispenser Card Swipe Parking System

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The LPR (License Plate Recognition) Ticket Dispenser Card Swipe Parking System is the integration of License Plate Recognition technology. LPR cameras are strategically placed at entry and exit points to automatically read and record license plate numbers. This information is used for identification purposes and can be linked with payment systems or access control mechanisms.

Upon arrival at the parking facility, a driver typically approaches the ticket dispenser, which may issue a ticket upon the detection of the vehicle's license plate or upon request by pressing a button. The ticket is then used as proof of entry and must be presented later for payment or validation.

For frequent parkers, there might be an option to register their vehicles and obtain a personalized card that can be swiped for quick entry and exit, eliminating the need for tickets altogether. This not only speeds up the process but also reduces paper waste.



HDCamera Parameter:

Sensor: 1/2.8" progressive scan Sony CMOS Sensor, 3 million pixels

Minimum illumination: color 0.01 Lux @ F1.2 (ICR)

Black and white 0.001 Lux @ F1.2 (ICR)

Effective pixels: 1920 (H) × 1080 (V), 2.1 megapixel

Wide dynamic range: ≥ 100 db

Signal-to-noise ratio: ≥ 50 db (AGC OFF)

Video encoding: H.264 Main Profile, Baseline encoding, MJPEG encoding

Recognizing license plates: license plate recognition in various countries

License plate recognition rate: 99.9% during the day and 99.6% at night

Trigger mode: support video detection trigger, IO trigger, RS485 trigger

Output information: vehicle color, license plate image, license plate type, color, time

Adapt to vehicle speed: 0-60 Km/H

Storage interface: support SD 2.0 standard MicroSD (TF) card, the maximum capacity is 64G

I/O interface: 1 switch input, 1 switch output, 1 RS485

Network interface: RJ45

Power supply: DC 12V 3A

Working temperature: -45°C ~ 55°C

Relative humidity: ≤ 95%



LED fill light Parameter:

Structure: metal glass structure

color: White

Light: cold light

Protection class: IP66

Color temperature: 6000K-6300K

Brightness: 200 LM

Power supply: 220V

Control method: photosensitive

Power cord length: 20cm

Net weight/gross weight: 1 Kg

Visual distance: 50-100 meters

Adapt to the ambient temperature: -20 degrees to 50 degrees

LPR Camera

Ticket Dispenser

Dimension: 300*320*1400mm.

Housing Material: Iron/Acrylic

Housing Color: Golden /Black

Support Built-in Reader: Mifare. /Barcode

Communication:RJ45

Data transmission speed: 4800bps/100m.

Offline Storage Capacity: 10000pcs (Extens

10. Blacklist Capacity: 10000pcs (Extensi

Card Capacity: 10000pcs (Extensible).

Working Temperature: -45℃--75℃.

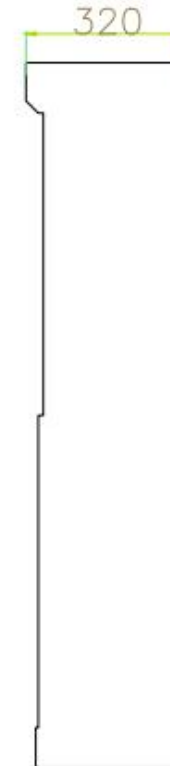
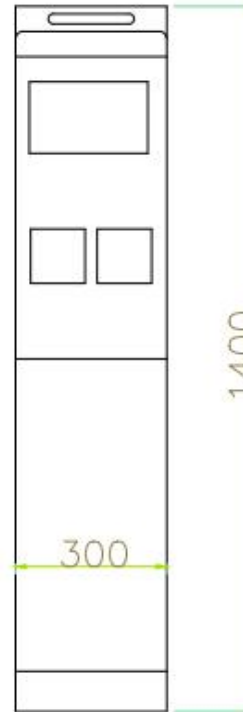
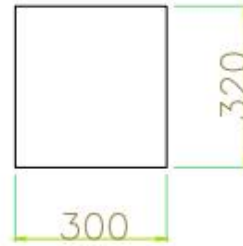
Working Condition: Outdoor. Indoor.

Database supports: SQL2000

Output report support : EXCEL

Controlled way: ID / IC cards / Ticket.

Special function: fully on-line system.





Card

Working Temperature:-40 to 70°C

Special Feature:Waterproof

Material:High quality PVC

Color:blank white card

size:85.5mm*54mm

surface:Glossy/Matt

thickness:0.8+-0.04mm

Reading distance:2-5mm

Frequency:13.56mhz/125khz



Card Issuer:

Power supply: DC9V power 1W;

Working environment: temperature 0°C-70°C,
humidity 10%-90%;

Card reader type: Mifare IC card;

Working frequency: 13.56MHZ;

Card reading distance: $\geq 25\text{MM}$;

Read and write time: less than 0.1 second;

Communication method: RS232/RS485 (automatic conversion);

Communication distance: RS485 mode first-level network can
connect 32 units, the farthest communication distance is 1200
meters;

Transmission rate: default 9600bps, maximum 38400bps;

IC Card Reader



Dimensions: 105 × 69 × 12 mm

Operating frequency: 13.56(Mhz)

Card reading time: 0.1(s)

Power supply: 0.2(W)

Sensing distance: 0-10(cm)

Sensing method: Contactless card reader

Applicable cards: Applicable cards: ISO 14443-A
series Mifare one s50/s70/F08//Ultralight
/NTAG21x/CPU card

Barcode Reader machine

1. Dimensions (L*W*H): 11cm x 7cm x 16 cm
2. Weight: 12 g
3. Input Voltage: 5VDC \pm 0.2V
4. Operating Power: 2.3 W (450mA, 5V)
5. Host System Interfaces: USB, RS232 and Keyboard Wedge
6. Auxiliary Ports: RJ-45
7. Drop: Designed to withstand 1.5 m (5') drops
8. Environmental Sealing: IP53
9. Scan Pattern: Area Image (838 *640 pixel array)
10. Motion Tolerance: > 270 cm/s (106 in/s) at focal point
11. Scan Angle: Horizontal: 42.4°; Vertical: 33°
12. Print Contrast: 20% minimum reflectance difference
13. Working Temperature: -10 to 60°C



Printing Method: Thermo sensitive printing

Speed: Max 250 mm/s

Width: Max 82.5mm/58.5mm

All Dots of Printing: Max 640/Max448

Printing Width: Max 80mm/Max58mm

Density: 203resolution ratio (8dots/mm)

Word Stock: ChineseGB18030 24*24ASCII 12*24

Port Types: standard: serial port, parallel port, USB, electronic switch

Paper Knife: Auto cutting or half cutting (one million time)

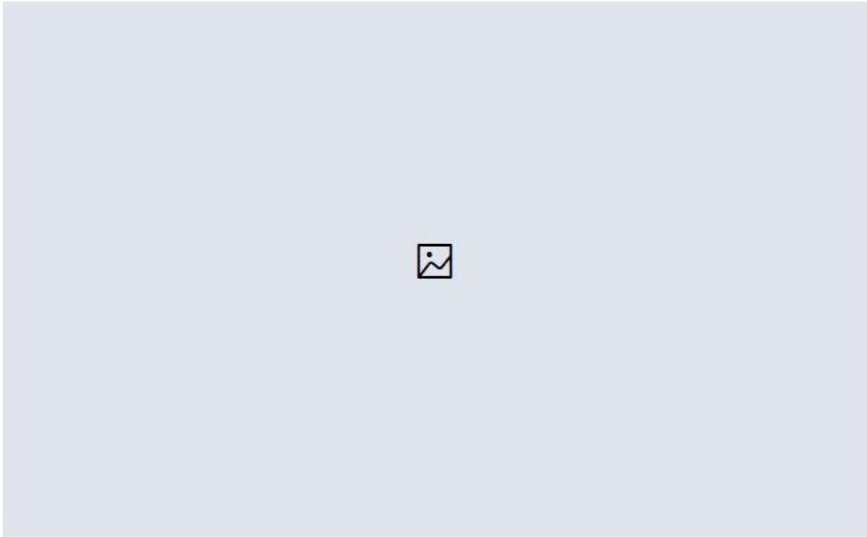
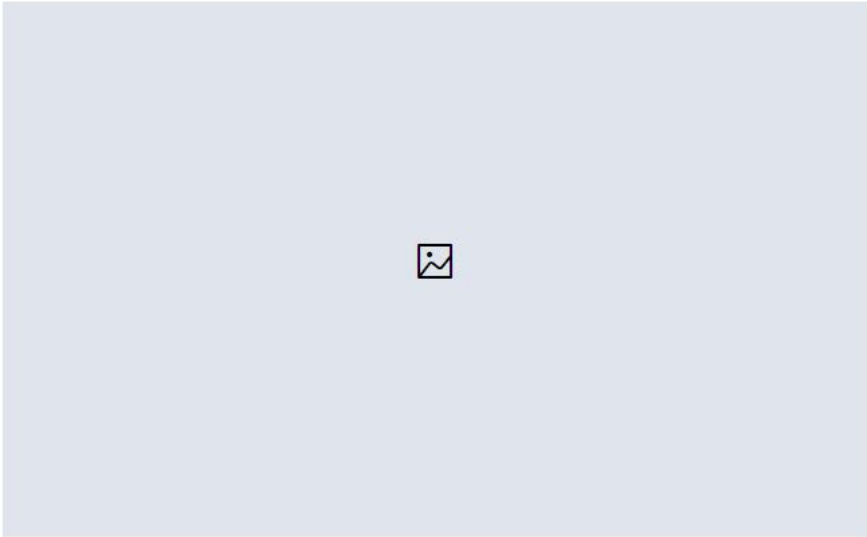


Software

Entry and exit information Presence record On-duty exit charge Manual exit

Entry front picture Enter details

Exit front picture Exit details



Parking space information

On-duty charge


\$0
Cash charge

\$0
Electronic charge

Channel state

Entry and exit information

Software

 Intelligent license plate recognition management system

Monitor

Report Query

operation management

system setting

admin

License plate type

Please select

Vehicle type

Please select

License plate

Please enter

用户姓名

Please enter

Search

Add

Batch authorization

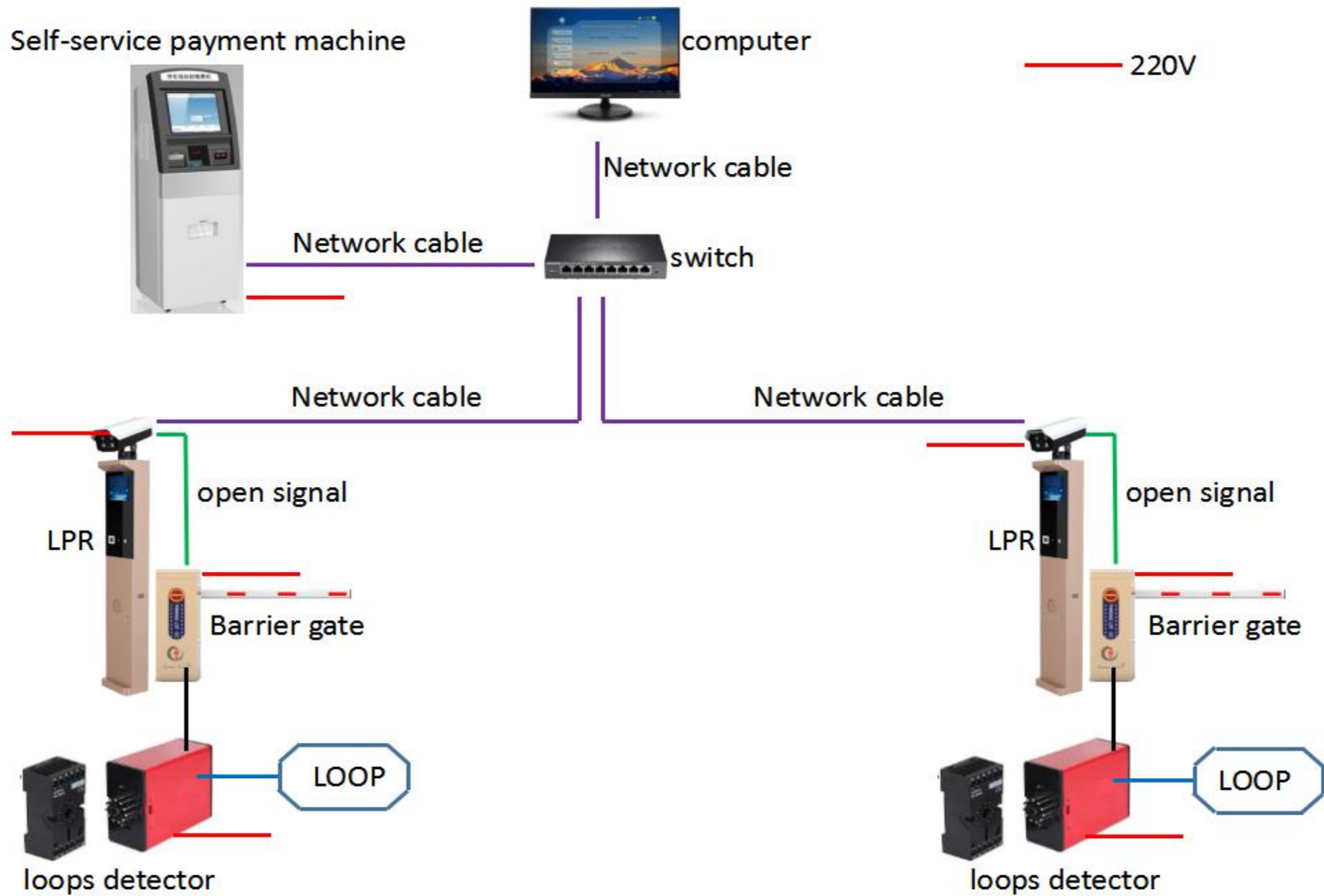
Batch extension

Blacklist

Import

Export

License plate	License plate type	Vehicle type	Cycle	Recharge amount	Owner name	Address	Telephone	Effective date	Expiration date	Operation
No Data										



Real Picture

