LPRC300

New License Plate Recognition Camera with Embedded Deep Learning LPR Algorithm
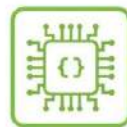
PARKING ZONE

License Plate

LPRC300 is Parking Zone's new generation of license plate recognition cameras adopting a 0.5 TOPS chip and an embedded deep learning algorithm. The camera can provide more advanced and faster license plate recognition performance, widely adaptable to parking and access control environments.

Moreover, LPRC300 can operate independently offline after being imported the allowlist and blocklist data via a web browser, which usually applies in monthly parking management, especially under scenarios like the factory, governmental building, residential area, etc. All captured pictures and recordings would be saved in the camera.

Features

HiCV 500

Embedded Deep Learning LPR Algorithm

AI Chip with 0.5 TOPS

Embedded Allowlist and Blocklist

Onvif

ONVIF rotocol, for Video Surveillance

SDK

Free SDK and push protocol supporting 3rd-party integration

3 MP

3 MP

Specifications

Model	LPRC300
License Plate Recognition Specifications	
Platform	HiCV500
License Plate Number Recognition Accuracy Rate	Day ≥ 99%, night ≥ 99%
Recognition Speed	≤100ms
Classificatio	License plate number
Adaptable Speed of Car	**Up to 10 km/h**
Recognition Distance	3m to 10m (the recommended distance is 3m to 5m)
Output Information	License plate number, License plate picture, Access time
Supported Regions	India,Thailand, Argentina, Mexico, Chile, Colombia, Saudi Arabia, Brazil, Peru, Mongolia, Turkey, Egypt, Korea, Mainland China, Indonesia, United Arab Emirates, Myanmar, Spain, Russian, Vietnam, Cambodia, etc.
Offline Working Parameters	
Allowlist	1,000
Blocklist	1,000
Monthly Parking	8,000
Entry and Exit Records	10,000
Captured Pictures	10,000
Camera Parameters	
CPU	Dual-core CPU A7@900MHz, 0.5TOPS
Flash	128MB
Image Sensor	1/2.8" 3MP CMOS sensor
Illumination	0.1Lux (Default)
Lens	Autofocus (from 3.2mm to 11.1mm)
Resolutions	2304*1296P, 1920*1080, 1280*720P, 704*576P
Compression	H.264 / H.265 / MJPEG
Frame Rate	1 to 25 frames; 25 frames by default (1920*1080 pixels)
Pixels	3MP
Communication Protocol	TCP/IP (10/100Mbps), RTSP, ZKTECO, P2P, PUSH
I/O Interface	Two relays, RS485, AUX I/O, Barrier status input, Wiegand in and out
SD Storage	Default 8GB, maximum support 128GB
Picture Format	JPG
Recognition Trigger	Video trigger (by default), loop detection
Protection Level	IP65
Working Voltage	12V DC
Power	≤7.5W
Working Temperature	-30°C to 70°C
Working Humidity	≤90%
Dimensions (L*W*H)	460 * 156 * 120 (mm)
Weight	2.5kg

System Topology

Parking Barrier — Mini-LPR — Workstation Computer — Main Database — Switch — Workstation Computer — Mini-LPR — Parking Barrier

ZKBioSecurity V5000 & ZKParking

Applications

Communities

Business Centers

Governmental Buildings

Industrial Parks

Accessories

LPR-Fixed Column

LPR-Fill Light

LPR-Display Screen (Optional)