LPRC300

New License Plate Recognition Camera

with a Dual-core Processor for Outstanding Performance
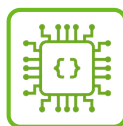
ZKTeco

License Plate

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

Moreover, LPRC300 can operate independently offline after being imported 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 Protocol, for Video Surveillance

SDK
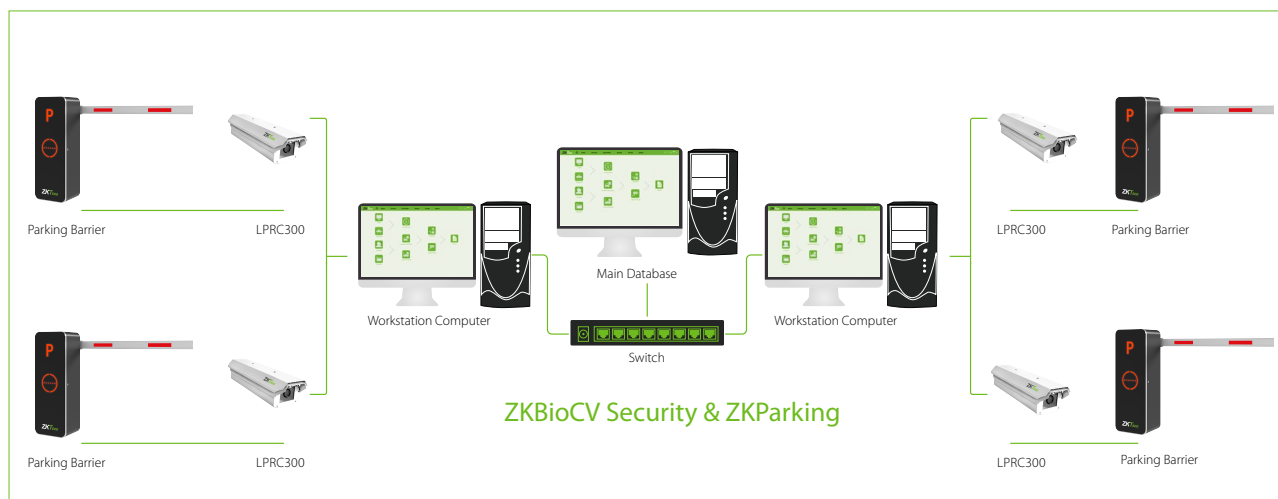Free SDK and push protocol supporting 3rd-party integration

3 MP
3 MP

Specifications

Model	LPRC300
License Plate Recognition Specifications	
Platform	HiCV500
License Plate Number Recognition Accuracy Rate	Day ≥ 98%, night ≥ 95%
Recognition Speed	≤100ms
Classification	License plate number
Adaptable Speed of Car	≤20 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	Thailand, Argentina, Mexico, Chile, Colombia, Saudi Arabia,Brazil, Peru, Mongolia, Mainland China, Indonesia, Uzbekistan, India, Myanmar, 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 0.5 TOPS
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)
Pixel	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℃ to 70℃
Working Humidity	≤90%
Dimensions (L*W*H)	460 * 156 * 120 (mm)
Weight	2.5kg

System Topology

Parking Barrier   LPRC300   Workstation Computer   Main Database   Workstation Computer   LPRC300   Parking Barrier

Parking Barrier   LPRC300   Switch   LPRC300   Parking Barrier

ZKBioCV Security & ZKParking

Applications

Communities

Business Centers

Governmental Buildings

Industrial Parks

Accessory Products

LPR-Fixed Column

LPR-Fill Light

LPR-Display Screen (Optional)

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