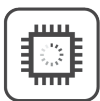# LPRC100
License Plate
Recognition Camera

LPRC100 is the first generation of license plate recognition camera of ZKTeco.
It adopts the self-developed license plate recognition algorithm. Based on years
of industry experience in LPR camera hardware platform and professional parking
management software, LPRC100 is developed to identify the moving license plate
accurately in complex environment, take photographs of plates, and send the information
back to the realtime software platform; the software platform will automatically determine
whether the vehicles is allowed to gain access. Users may choose to manually manage
vehicles access with the real-time platform too.
Besides, users can customize the charging rules through our software to pay the parking
fees according to their vehicle types.

Features

Self-developed LPR algorithm
which provides continuous
optimization services

Support multi-national
license plate recognition

Powerful built-in camera with
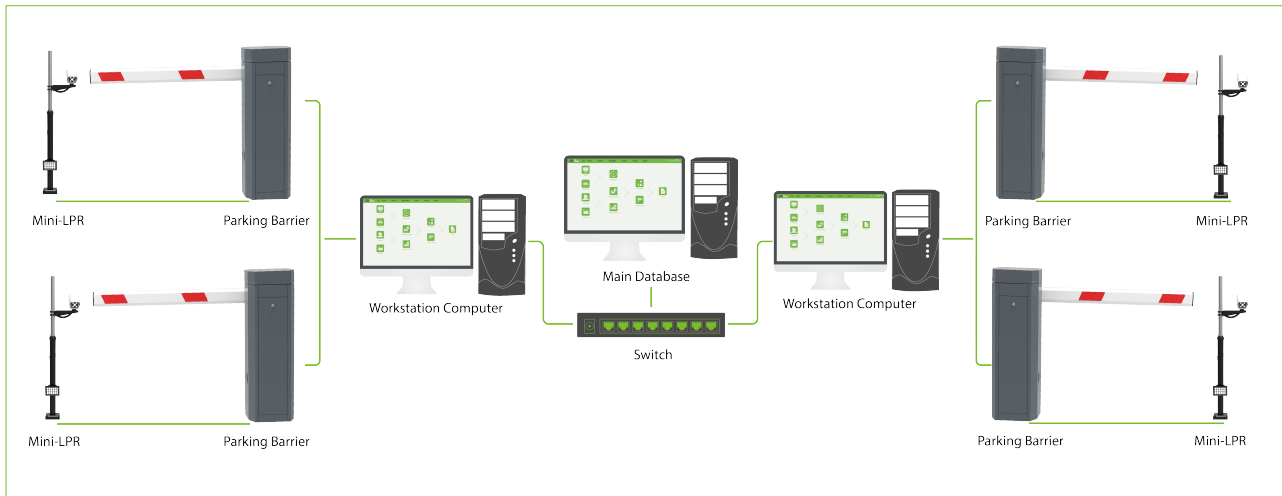optical character recognition engine

Ability to automatically
adjust image parameters

Specifications

Model	LPRC100
License Plate Recognition Specifications	
Recognition Accuracy	Day≥99.9%; Night≥99.7%
Recognition Time	≤200ms (average time)
Recognition Distance	2-10meters (recommended distance is 3.5-4m)
Adaptable Speed of Car	≤15km/h
Output Information	License plate number, License plate picture, Access time
Supported Countries	Thailand, Argentina, Mexico, Chile, Colombia, Turkey, Saudi Arabia, South Africa, Brazil, Peru, Mongolia, Malaysia, Indonesia, Vietnam, UAE, Oman, Egypt, EU, Korea, Pakistan, etc.
Camera Parameter	
CPU	A7@600 MHz, 32 KB I-cache, 32 KB D-cache/128 KB
Flash	NOR FLASH 32M
RAM	DDR3, 256M
Image Sensor	1/2.8″ SONY 290 COMS
Lens	2MP, 3.2mm -11.1mm, Auto focus
Resolution	1920*1080 pixel
Minimum Illuminance	0.1Lux (standard)
Video Compression Standard	H264
Video Compression Bit-Rate	32Kbps -16Mbps
Double Code Stream	Main stream: 1920*1080, 1280*720 (optional), 1-25frames/s (default: 25)
	Sub stream: 704*576, 640*480, 320*240 (optional), 1-25frames/s (default: 25)
Communication	TCP/IP (10/100Mbps)
I/O Interface	Two relay, two RS485 outputs, audio in/out, barrier status input, wiegand in &out
Storage	TF Card (default 8G, max support 32G)
Reset	Reset device parameters
Working Modes	Video trigger
Protection Level	IP65
Working Voltage	12V DC
Working Temperature	-20℃ ~ 55℃
Working Humidity	≤ 90%

System Topology Diagram

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

Mini-LPR   Parking Barrier   Switch   Parking Barrier   Mini-LPR

Applications

Communities

Business center

Government

Industrial area

Accessory Products

LPR-Fixed Column

LPR-Fill Light

LPR-Display Screen
(Optional)

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