

# LPRC500

ZKTeco

## New License Plate Recognition Camera

with a Dual-core Processor for Outstanding Performance



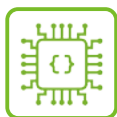
LPRC500 is ZKTeco's new generation of license plate recognition cameras adopting a 0.5 TOPS chip and an embedded deep learning algorithm. The camera can provide higher license plate recognition performance, widely adaptable to parking and access control environments.

Moreover, LPRC500 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



Embedded Deep Learning LPR Algorithm



AI Chip with 0.5 TOPS



Embedded Allowlist and Blocklist



ONVIF Protocol, for Video Surveillance



Free SDK and push protocol supporting 3rd-party integration



5 MP



PWM technology adjustable fill light



3.6-10.8mm electriczoom lens



Standard 32GB TF card

# Specifications

|                                                |                                                                                                                                                         |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model                                          | LPRC500                                                                                                                                                 |
| License Plate Recognition Specifications       |                                                                                                                                                         |
| Platform                                       | Sigmastar                                                                                                                                               |
| License Plate Number Recognition Accuracy Rate | Day ≥ 98%, night ≥ 95%                                                                                                                                  |
| Electronic Shutter Speed                       | 1/30s(default)                                                                                                                                          |
| Recognition Speed                              | 90ms                                                                                                                                                    |
| 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, China, Indonesia, Uzbekistan, India, Myanmar, Vietnam, Cambodia,etc |
| Offline Working Parameters                     |                                                                                                                                                         |
| Allowlist                                      | 1,500                                                                                                                                                   |
| Blocklist                                      | 1,500                                                                                                                                                   |
| Monthly Parking                                | 10,000                                                                                                                                                  |
| 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                                   | 1/2.7" 5MP 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                                          | 5MP                                                                                                                                                     |
| Communication Protocol                         | TCP/IP (10/100Mbps), RTSP, ONVIF,FTP, PUSH                                                                                                              |
| I/O Interface                                  | Two relays, RS485, AUX I/O, Barrier status input, Traffic light output                                                                                  |
| SD Storage                                     | Default 32GB, maximum support 128GB                                                                                                                     |
| Picture Format                                 | JPG                                                                                                                                                     |
| Recognition Trigger                            | Video trigger (by default), loop detection                                                                                                              |
| Protection Level                               | IP65 and IK10                                                                                                                                           |
| Working Voltage                                | 12V DC                                                                                                                                                  |
| POE                                            | Optional                                                                                                                                                |
| Illuminator Number                             | 4                                                                                                                                                       |
| Illuminator On/Off Control                     | Auto, manual                                                                                                                                            |

|                     |                                                                       |
|---------------------|-----------------------------------------------------------------------|
| Smart Illumination  | Visible light automatic sensing, based on ambient brightness adaptive |
| 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



## Applications



Communities



Business Centers



Governmental Buildings



Industrial Parks

## Accessory Products



LPR-Fixed Column



LPR-Fill Light



LPR-Display Screen (Optional)

