



Description

The JSL-I82NPR-FD 2MP ANPR Smart IP Camera is a professional license plate recognition camera designed for parking access control, traffic management, and intelligent transportation systems. Powered by a dedicated LPR processor and advanced AI algorithms, it delivers high-accuracy recognition of international license plates under complex conditions such as strong backlight, headlight glare, rain, snow, and large capture angles.

The camera adopts a video-based trigger mechanism, eliminating the need for induction loops and significantly reducing installation complexity. With robust environmental protection, superior anti-glare performance, and comprehensive vehicle data analytics, it is well suited for parking entrances, road checkpoints, law enforcement, and smart advertising applications.

Main Features

- High-precision AI-based license plate recognition algorithm for complex environments
- Supports recognition of overseas license plates across 20+ countries
- License plate recognition accuracy up to $\geq 96\%$
- Vehicle analytics support: 2900+ vehicle brands and 11 vehicle categories
- Video-based trigger technology, no ground loop required
- Supports unlicensed vehicle detection and non-motor vehicle filtering
- Automatic vehicle classification for differentiated charging strategies
- Built-in blacklist and whitelist management
- Integrated high-power white LED illumination for night recognition
- Rich I/O and serial interfaces for system integration
- Free SDK provided, supporting DLL, COM components, and multi-language development
- Designed for outdoor use with IP66 protection and wide operating temperature range

Specification

Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Resolution	1920 × 1080
Minimum Illumination	0.01 Lux
Shutter Speed	Electronic shutter
Image Output	1080P / 960P / 720P / D1 / CIF
Picture Output	2 MP JPEG
Lens	
Lens Type	Fixed focal lens
Focal Length	6mm
Illuminator	
Built-in Light	4 × high-power white LEDs
Anti-glare	Optimized for headlight suppression
Intelligent Function	
Plate Recognition Accuracy	≥96%
Plate Type	Overseas license plates
Trigger Mode	Video trigger / Coil trigger
Vehicle Type Recognition	Small / Medium / Large vehicles
Special Detection	Unlicensed vehicle detection
Vehicle Filtering	Non-motor vehicle filtering
Data Management	Blacklist & whitelist supported
Audio	
Audio Input	1 channel
Audio Output	1 channel
Alarm Input	2 channels
Alarm Output	2 channels

Network	
Interface	2 × RS485, 1 × RJ45, 10/100 Mbps
Storage	
Local Storage	Micro SD (TF) card
SD Standard	SD 2.0
Capacity	Up to 32 GB
System Integration	
SDK	Free SDK provided
Development Support	DLL, COM components
Programming Languages	C / C++ / C# / VB / Delphi / Java
General	
CPU	Hisilicon dedicated LPR processor
Power Supply	DC 12 V
IP Level	IP66
Dimensions	355 × 151 × 233 mm
Weight	2.7kg
Working Temperature	-25 ° C to +70 ° C
Humidity	≤95% RH

Dimension

