



IB9387-LPR

License Plate Recognition Camera



Embedded LPR Software • Wiegand Output • Widely Supported Countries List • 5MP 30 fps • IP66 • IP67 • IK10

VIVOTEK's IB9387-LPR camera is a standalone LPR camera system, featuring built-in license plate recognition software as well as a white-lists and black-lists for advanced license plate verification. It converts number plates into Wiegand signals for

use with an access control system, and also offers various APIs for integration with 3rd party systems such as parking management, toll collection, and weighbridge systems. The system is ideally applied for parking access control and Stop & Go toll systems.

Key Features

- Embedded Access Control Application Based on LPR Software
- Wiegand Output for Access Control Applications
- Widely Supported Countries List
- Black and White Lists for License Plate Verification
- Centralized List Management in Single Camera
- Various Open APIs Available for 3rd Party Integration
- Supports Hazard ID Recognition
- Trend Micro IoT Security
- Weather-proof IP66, IP67 and Vandal-proof IK10-rated Housing



Vehicle Access Control



Stop & Go Toll Collection

Functions

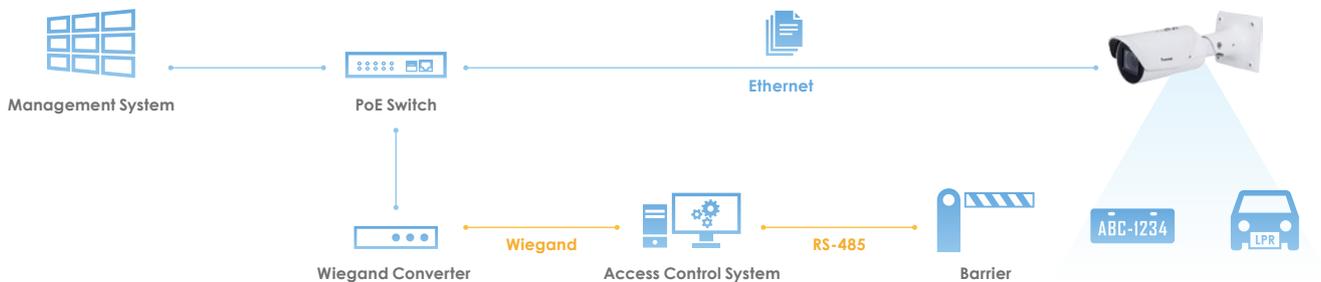
Supported Both Simple and Complex Scenarios

The IB9387-LPR camera can work as an embedded access control application based on LPR software. It can trigger digital output device on this camera when a number plate is recognized and matched the data in list such as white list. This IB9387-LPR camera can convert number plates into Wiegand signals to work with access control system.

Simple Scenario

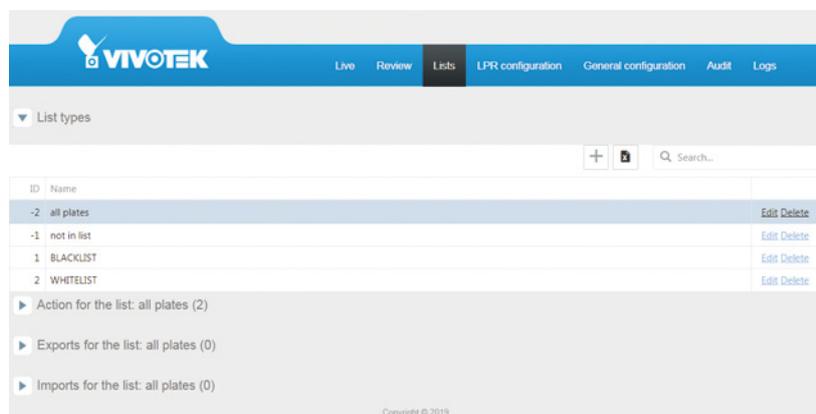


Complex Scenario



Built-in White List, Blacklist, All plates and Not In List For Number Plate Verification

Users can manage license plate lists for various purposes, such as a white list that triggers a welcome message, a black list that triggers an alarm, and an all plates list for access control management. Multiple lists are supported, with no limit on the number of supported license plates.

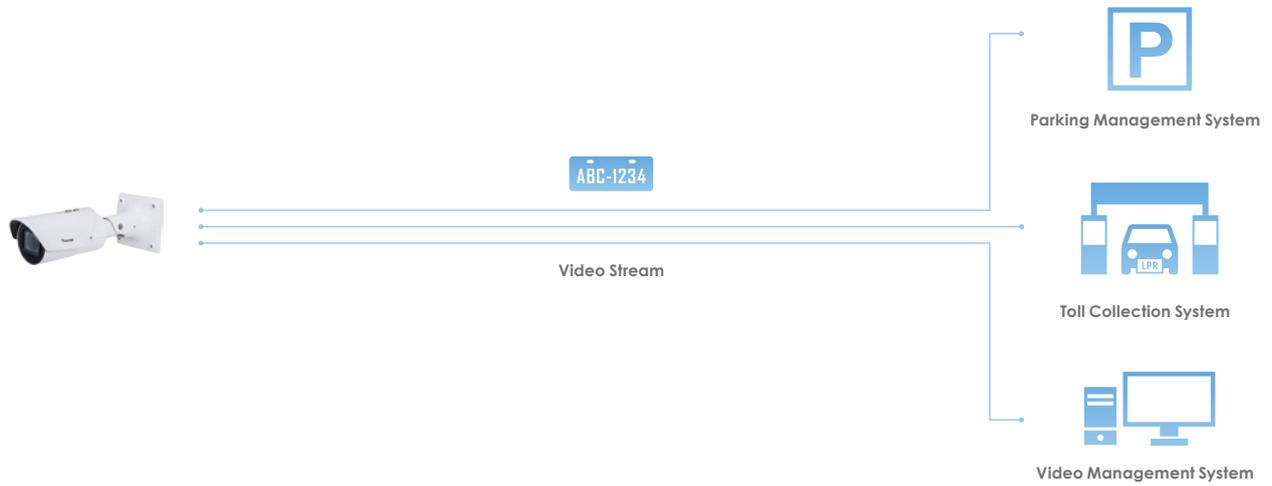


User Interface of List Management

Functions

Easily Integrated with 3rd Party Systems

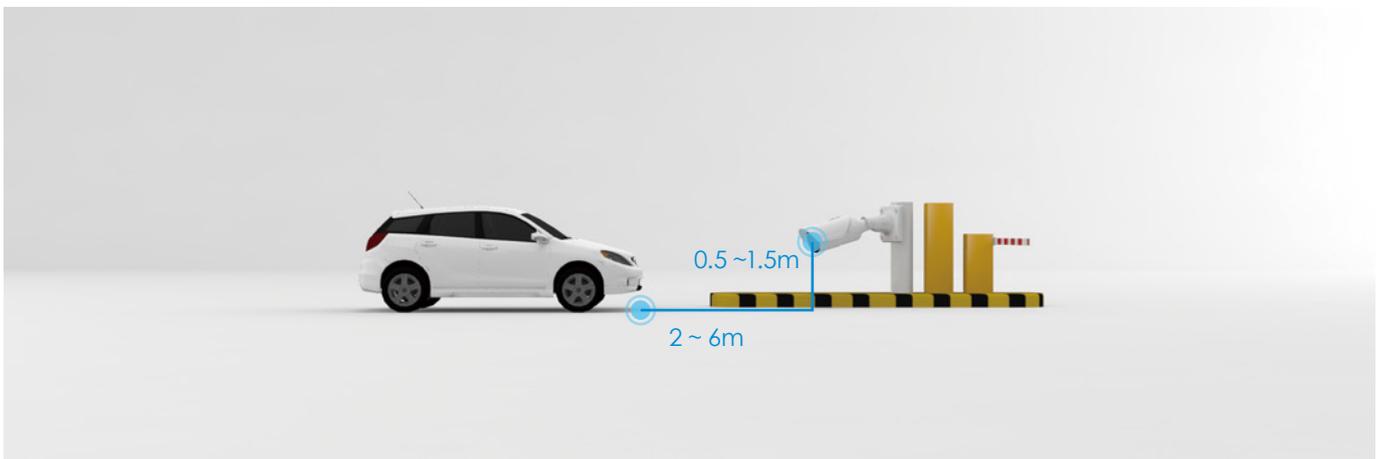
This IB9387-LPR camera can export all license plate recognition results and the related LPR events. It can be easily integrated with 3rd party systems, such as parking management systems, toll collection systems or weighbridge management systems, by sending XML or JSON messages.



Suggested Installation

Installation Height: 0.5 ~ 1.5 m

Installation Disatance: 2 ~ 6 m

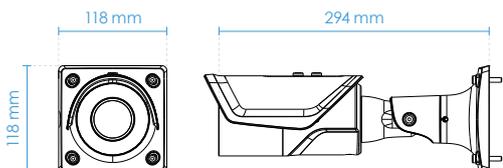


Contact your VIVOTEK regional sales manager or send mail to lpr@vivotek.com for any questions.

Technical Specifications

Model	IB9387-LPR		
System Information			
CPU	Multimedia SoC (System-on-Chip)		
Flash	256MB		
RAM	1GB		
Camera Features			
Image Sensor	1/2.7" Progressive CMOS		
Max. Resolution	2560x1920 (5MP)		
Lens Type	Motorized, Vari-focal, Remote Focus		
Focal Length	f = 2.7 ~ 13.5 mm		
Aperture	F1.4 ~ F2.8		
Iris type	P-iris		
Field of View	30° ~ 100° (Horizontal) 23° ~ 72° (Vertical) 38° ~ 135° (Diagonal)		
Shutter Time	1/5 sec. to 1/32,000 sec.		
WDR Technology	WDR Pro		
Day/Night	Yes		
Removable IR-cut filter	Yes		
IR Illuminators	Built-in IR illuminators, effective up to 50 meters with Smart IR II, IR LED*6		
Minimum Illumination	0.06 Lux @ F1.4 (Color) <0.01 Lux @ F1.4 (B/W) 0 Lux with IR illumination on		
Pan Range	350°		
Tilt Range	90°		
Rotation Range	180°		
Pan/Tilt/Zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built-in)		
On-board Storage	Built-in 16GB MicroSD card for LPR images Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording		
Video			
Compression	H.265, H.264, MJPEG		
Maximum Frame Rate	30 fps @ 2560x1920 30 fps @ 2560x1440 60 fps @ 1920x1080		
Maximum Streams	3 simultaneous streams		
S/N Ratio	50 dB		
Dynamic Range	120 dB		
Video Streaming	Adjustable resolution, quality and bitrate, Smart Stream III		
		Image Settings	Time stamp, text overlay, flip & mirror; Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks; Scheduled profile settings, video rotation, 3DNR, DIS, HLC, defog
		Audio	
		Audio Capability	Two-way Audio (full duplex)
		Compression	G.711, G.726
		Interface	External microphone input External line output
		Network	
		Users	Live viewing for up to 10 clients
		Protocols	802.1X, ARP, CIFS/SMB, CoS, DDNS, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, IPv6, NTP, PPPoE, QoS, RTSP/RTP/RTCP, SMTP, SNMP, SSL, TCP/IP, TLS, UDP, UPnP
		Interface	10 Base-T/100 Base-TX Ethernet (RJ-45) *It is highly recommended to use standard CAT5e & CAT6 cables which are compliant with the 3P/ETL standard.
		ONVIF	Supported, specification available at www.onvif.org
		Intelligent Video	
		Video Motion Detection	Five-window video motion detection
		Embedded Software	VIVOTEK ANPR
		VADP	Genetec package, Trend Micro IoT Security
		Alarm and Event	
		Alarm Triggers	Motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection, audio detection, SD card life expectancy, cybersecurity events (brute force attack event, cyberattack event, quarantine event)
		Alarm Events	Camera: Event notification via digital output, audio clip, email, HTTP, FTP, NAS server, SD card, push notification File upload via email, HTTP, FTP, NAS server, SD card ANPR Software: Socket client, socket server, onvif event, digital output trigger, HTTP, FTP, send event to Milestone VMS, send event to Wiegand middleware board
		General	
		Connectors	RJ-45 cable connector for 10/100Mbps Network/PoE connection Audio input Audio output AC 24V power input (optional) DC 12V power input Digital input*1 Digital output*1
		LED Indicator	System power and status indicator
		Power Input	IEEE 802.3af PoE Class 0 AC 24V (optional) DC 12V (Redundant Power)

Technical Specifications

Power Consumption	PoE: Max. 12 W AC 24V: Max. 11.5 W DC 12V: Max. 10 W	Web Browser	Chrome 58.0 or above Internet Explorer 10/11
Dimensions	118 x 118 x 294 mm	Other Players	VLC: 1.1.11 or above QuickTime: 7 or above
Weight	1,254 g	Included Accessories	
Casing	IP66, IP67, IK10 (Metal Housing)	Others	Quick installation guide, warranty card, screw pack, alignment sticker
Safety Certifications	CE, LVD, FCC Class A, VCCI, C-Tick, UL, EN50121-4	Dimensions	
Operating Temperature	Starting Temperature: -10°C ~ 60°C (14°F ~ 140°F) Working Temperature: -30°C ~ 60°C (-22°F ~ 140°F)		
Humidity	90%		
Warranty	36 months		
System Requirements			
Operating System	Microsoft Windows 8/7 Mac 10.12 (Chrome only)		

Compatible Accessories

Mounting Kits	Power Adapter	
 AM-719 Junction Box	 AM-312 Pole Mount Adapter	 AM-412 Corner Mount Adapter