

# iRecord License Plate

## Automatic Gate Controller and Guest Management System using iRecord LPR

### DESIGNED FOR HOAs, GATED COMMUNITIES AND BUSINESSES

#### Base Model:

The base version of the product is a standalone appliance, iRecord LPR-104VE which seamlessly interfaces with a gate control logic for opening a gate or a barrier, which could be virtual. It uses Streaming Networks' innovative OCR technology for reading a license plate of an incoming vehicle, matches it with an authorized list of license plates (whitelist) and automatically actuates a gate or a barrier to allow or deny access to the property. A whitelist can be created in real time as vehicles enter the property, or offline by operating the system in observer mode and adding vehicle plate information from the database. The system has rich video recording, and retrieval options for security and surveillance at entry and exit gates or barriers. The system ensures a convenient hands-free access of authorized vehicles to a gated community or to a corporate facility. It further enhances the security by preventing intrusions.



#### Enterprise Model:

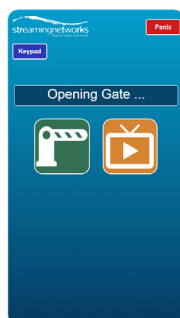
The enterprise version of the product is a standalone appliance, iRecord LPR-104GS which seamlessly interfaces with a gate control logic or a barrier and operates in conjunction with Streaming Networks' Guest Management Server (iGS). It uses Streaming Networks' innovative OCR technology for reading a license plate of an incoming vehicle, matches it with an authorized list of license plates (whitelist or guest list) and automatically actuates a gate or a barrier to allow or deny access to the property.

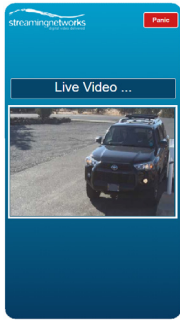
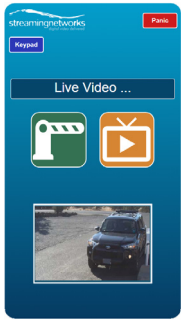
iGS allows property residents to register an expected guest(s), their vehicle license plate number, estimated arrival and departure times, generates a parking permit and creates a passkey for entry and exit to the property. Upon a successful guest registration, iGS automatically sends a SMS or E-mail to a guest(s) with all the information needed for the visit to the property. Upon guest arrival a SMS is sent to the host to meet and greet the guest(s).

iGS also offers support for community events like concerts, weddings and emergency situations.

#### Salient Features:

- LPR-104VE is integrated with BOSCH camera's alarm output.
- 1080p resolution can cover up to 2 lanes of traffic.
- Can co-exist with current infrastructures like intercom, remote control and keypad by an app running on a smart phone.
- Allows access to delivery vehicles through an app.
- Touchless entry and exit using an app.
- Designed for restricted or unrestricted exits.
- Passkey is single entry - single exit.
- Entry via passkey has video evidence linked to passkey.
- Passkeys are searchable and auditable.
- Event-based video recording accounts for all traffic.
- No external trigger required for gate or barrier operation.
- Wanted vehicles flagged at entry using audible alarm.
- Stores vehicle record on built-in memory.
- App for gate control and guest viewing.
- For virtual gates event-based video records all passing traffic.
- Video can be searched by time, plate or passkey.
- High security facility ensured through iGS.





Automated Vehicle Access Control Enterprise Model

## Typical Applications



HOAs

### Gated Communities



Business Centers

### Hotels & Hostels



Hospitals

### Schools & Universities



## Supported LPR Cameras



Bosch Starlight 3000i



Bosch Starlight 5000i



Bosch Starlight 7000 HD



Bosch Starlight 8000i

Patent Pending: iRecord License Plate vehicle entry-exit control system LPR-104VE, LPR-104GS is protected by Patent pending that covers real-time implementation aspects of vehicle and license plate recognition, database search enhancements, simplified operator interface, and capturing video clips of read, unread and unrecognized license plates.

## SPECIFICATIONS

Supported license plates	Retro-reflective and non-reflective
Vehicle processing time	Depending upon the white list size (2 to 5 seconds)
Maximum vehicle records in white list	3000
Maximum entry/exit gates	4
LPR image capture	Video signal-based trigger, no external device needed
Supported cameras	IP HD (1080P, 720P) color and infra-red progressive scan LPR cameras
Communication	WAN support
Video recording	Continuous and event based color HD video in AVI format
Gate control	Built-in digital output relays of the camera or GPIO signals through dry contact switch
Gate open/close timing	Configurable delay or GPIO signal feedback from magnetic sensor
Keypad interface	Smart phone virtual keypad via WiFi or Wiegand/RS-232/RS-485 via Ethernet
GUI	Web based GUI interface supports Microsoft Edge, Google Chrome, Fire Fox and Safari browsers
LPR-104VE/104GS power input	8-30 V DC (2mm barrel connector)
Max. power consumption	5 Watt (excluding camera)
iGS Server (minimum specs)	Linux 14.04 lts/Windows 10 (64 bit, Professional or Enterprise), CPU Intel® Core™ i5-4670, RAM 16 GB, free disk space 100 GB, Network card 1000 Base-T

©2000-2021 Streaming Networks Inc. All rights reserved. Patents Pending. Specifications are subject to change without notice. Streaming Networks, Streaming Networks logo, & iRecord are trademarks or registered trademarks of Streaming Networks Inc. or its affiliates. All other products, services, logos & depictions may be trademarks, service marks or copyright of respective owners.