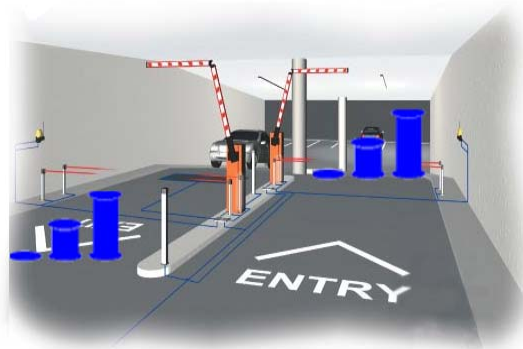




## Intelligent Traffic/Parking Vehicle Management Systems

# Intelli-Gate

- ◆ **Barrier Control**
  - Supports Advanced PLC logic
- ◆ **Video Management**
  - Smart Video (Object Tracking)
  - DVR/NVR (Video Recording)
- ◆ **Gate Control**
  - PDA (Mobile) Support
  - Bio/Keypads (Supports most Access Control Readers)
  - Visual Verification
- ◆ **Traffic Control**
  - Vehicle Tagging (Counting)
  - Traffic Light Control
  - Visitor Pre-Registration
  - Wrong Way Detection
  - Over Speed Detection
- ◆ **Remote Manager Dispatch**
  - Local or Remote Networks



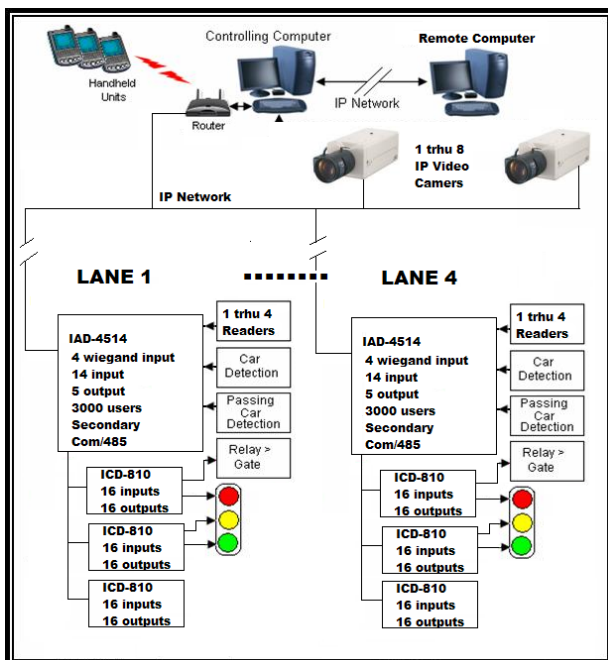


## Intelli-Gate Overview

The IPS Intelli-Gate product line employs universal access control technology to automate the entry of personnel, vehicles, and visitors into a secure location. The Intelli-Gate system integrates multiple standard hardware and software components - including vehicle barriers, gates, identification sensors and card readers - into a single, user friendly product that provides security personnel with a scalable turnkey solution for controlling access into any location in real-time. The Intelli-Gate's advanced identification system provides fast and reliable access control for all types of parking and vehicle entry applications incorporating advanced PLC control, Video Management, Traffic Control and Visual Verification all in one system.

In accordance with your specific requirements the Intelli-Gate system can be configured to be managed by a guard force or to automatically identify vehicles when entering into a secured area or a parking facility. A maximum of four lanes of traffic can be managed by each Intelli-Gate system although for larger

enterprise applications multiple Intelli-Gate systems can be networked together to operate seamlessly.



Offering the latest technology to cover virtually every aspect of your gate and or parking operations the Intelli-Gate solution will generate improvements in overall customer service by reducing claims and drastically trimming labor cost.

Intelligent Perimeter Systems provides turnkey solutions to complex perimeter defense and traffic control challenges. IPS has a global network of partners with distributors in Denmark, the United Kingdom, Israel, and Malaysia.

In addition the Intelli-Gate product line Intelligent Perimeter Systems has a complete line of Intelli-Barrier products.

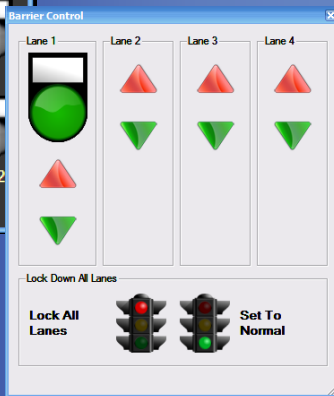
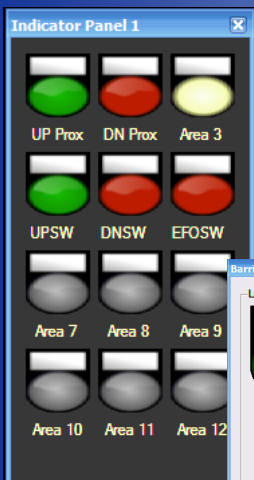


These new-to-the-world barriers were developed to address the need for intelligent area denial and perimeter security applications. Contact [info@ibarrier.com](mailto:info@ibarrier.com) for more information on our barrier products.

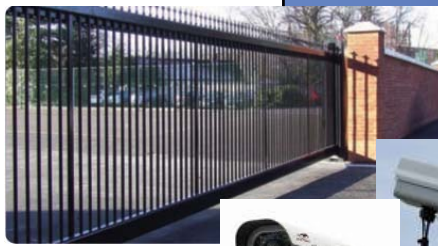


## Barrier Control

- ◆ Programmable Logic Control (PLC) for both local and global control utilizing an easy to configure text without complicated ladder logic
- ◆ Utilize real time conditions to control inputs/outputs based on user configured (GUI Interface) parameters
- ◆ Supports standard hardware and software components – including vehicle barriers, gates, and identification sensors into a single, user-friendly product that provides security personnel with a scalable turnkey solution for controlling areas in real-time
- ◆ Available Web Browser interface for stand-alone systems
- ◆ Supports dial-up monitoring and configurations
- ◆ Easy to use On Screen/Touch Screen controls with live status indicators
- ◆ Available override buttons for Barrier Up/Down operations and Emergency Override actions
- ◆ CCTV Video Assessment activation on all events seamlessly with built-in Digital Video Recording
- ◆ Supports electronic perimeter protection devices such as microwave, laser, and passive infrared detection sensors.
- ◆ Integrates visual warning lights and beacons (Amber flashing, Wig-wag warning lights, Stop Light Activation, Barrier LED activation, etc.)
- ◆ Simultaneously supports multiple safety sensor detection systems such as Induction loop detection, Photoelectric sensors, and laser detection.



The Digital Video Recorder (DVR) functions of the Intelli-Gate series utilize the most advanced technology in video and audio encoding, decoding, hard disk recording and TCP/IP. The Intelli-Gate series PC-based DVR adopts a high performance, Windows based, real-time multi-tasking operating system and hyper-threading CPU, to perfectly implement all the necessary functions to build a state-of-the-art video surveillance system.



## Video Management - Hybrid NVR/DVR

- ◆ 8 Video Devices (Mix and Match Analog and/or IP Cameras)
- ◆ Supports Local File Playback, Time/Date Playback, Fast-Forward, Slow Motion, Pause, Frame by Frame, etc.
- ◆ Fully TCP/IP Network Capable
- ◆ Live Viewing from PDA
- ◆ View / Record at up to 30 F/S per device\*
- ◆ View Cameras in Full Screen
- ◆ Each channel can be compressed independently
- ◆ Both variable bit-rate and variable frame rate are supported
- ◆ NVR files can be downloaded to or remotely played from a remote host PC
- ◆ Supports IP Cameras with MJPG or JPG file formats
- ◆ Secured Login (username/password authentication) is supported on most IP Cameras.\*
- ◆ Motion Detection is available within specified frames in the camera viewing area. The size of the frame is user defined by the number of cells (2—50) while motion detection sensitivity is set within a range of 1 through 9.
- ◆ AVI/MPEG/WMV Recording, Timer-Based Recording (delayed start, timed stop, or create new file periodically)
- ◆ Motion Detection can be activated manually, by time, or by event.
- ◆ Plays most Video Formats: WMV, AVI, ASF, MPG, MP4, MOV, etc...
- ◆ Event Based Video Recording is configurable to include a specified number of frames prior to actual event.

\* based on hardware and settings



- ◆ The output video and audio streams are integrated to generate a synchronized H.264 stream. Video and audio coincide with each other from beginning to end when the stream is played back.
- ◆ Supports Motion Detection Alarm, Switch Alarm, Signal Lost Alarm, Exception Alarm, etc;
- ◆ Multi-Zone Video Motion Detection with Alarm Management
- ◆ Customizable On-Screen Display and Watermarks
- ◆ Supports the MPEG-4 format (video and/or audio) on some cameras (\*contact IPS)
- ◆ Video Processing and Overlay: In addition to standard video processing functions such as (contrast, brightness, hue, etc. ) the user can also add graphic and/or text overlays to the captured video.
- ◆ Pan / Tilt Position control functions can be pre-defined per camera based on an event or manually controlled by the user when needed.
- ◆ Dual Display: The same camera can be displayed on multiple screens for optimal viewing. (i.e. A high priority camera can be displayed full screen on a separate monitor while simultaneously displaying in a small video window on the main screen).
- ◆ Customizable screen layout can be created for viewing cameras. In addition to being able to select the type of view (1x1, 9X9 etc.) the user can individually select the camera view size and location on the screen
- ◆ Streams both Audio and Video Directly to the Internet
- ◆ Authentication supported through a publishing point on a Windows Media Server for any Camera, Remote Access Database, and/or Video Stream.
- ◆ Adjustable Playback speeds (up to 64x) in Forward and Reverse.
- ◆ ONLINE/OFFLINE Detection for each Camera
- ◆ Supports Client Connection / Disconnection on each Camera for event viewing

\* Contact IPS for a complete list of the IP cameras and Video Cards manufacturers.



The Intelli-Gate System sets the standard for today's gate systems with fully integrated Intelligent Video features. Whether it's the ability to compensate for changing ambient conditions or adapt instantly to a wide range of license plates the Intelli-Gate delivers more features, more reliability, and more performance. Comprehensive Intelligent Video features improve revenue control, customer service, and overall security.



## Video Management - Intelligent Video



- ◆ **Vehicle License Plate Recognition (US and other countries)**
- ◆ **Object Tracking ( Vehicles, Objects, People, etc. )**
  - Training software allows each camera to individually learn and track specific objects
- ◆ **Vehicle Barcode Recognition ( PDA Scanner / Video Input)**

*\*\* Some of the features highlighted on this page are optional and not part of the standard Intelli-Gate Software. Contact your sales representative to discuss your specific requirements.*



- ◆ Wrong Way Detection (Vehicles / Persons)
- ◆ Eliminate Tailgating / Piggybacking
- ◆ Stop Turnstile Hopping
- ◆ Track Stopped or Disabled Vehicles
- ◆ Monitor and Control Traffic Congestion
- ◆ Evaluate Current Capacity / Crowd Detection
- ◆ Analyze an Individuals Length of Stay
- ◆ Assess Customer Trends
- ◆ Monitor Suspicious / Frequent Customers
- ◆ Detect both Unattended and/or Missing objects



**Intelli-Gate is an automated secured entry access control system for gate operators. By using standard access control hardware the Intelli-Gate system automates the process of verifying the credentials of traffic**

**entering a secured area portal. Valid authorization allows traffic to enter, invalid credentials stop the flow of traffic and alert the security personnel to intervene.**



## Gate Control

- ◆ Supports full access control for up to 4 lanes of traffic per system.  
\*Unlimited packages can be combined to form a larger system
- ◆ Dual Verification - personnel with vehicle database matching
- ◆ Supports multiple card reader interfaces including RFID, Prox, Fingerprint, Hand Geometry, Facial Recognition, Mag Stripe, Barcode (including PV1, PV2) , Scramble Keypads, and Smart Card technology
- ◆ Utilize built in registration database for stand alone applications or networked enrollment stations for visitor center applications. (Databases include over 45 user definable fields for data input, photo, signature, biometric template storage, etc.)
- ◆ Supports up to 16 monitors per system for individual lane viewing and control
- ◆ On screen visual verification of database photo combined with live CCTV feed of driver and/or license plate
- ◆ Functions independently as a stand alone system or networked to a central station for event processing, notification, and enunciation
- ◆ Supports up to 8 PDA handheld devices per system for remote, access control, barrier control, CCTV monitoring, and personnel, vetting

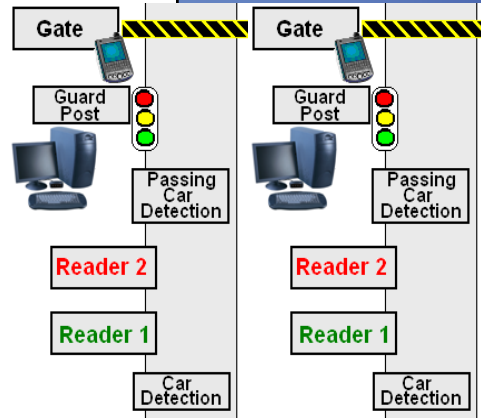
### PDA Features:



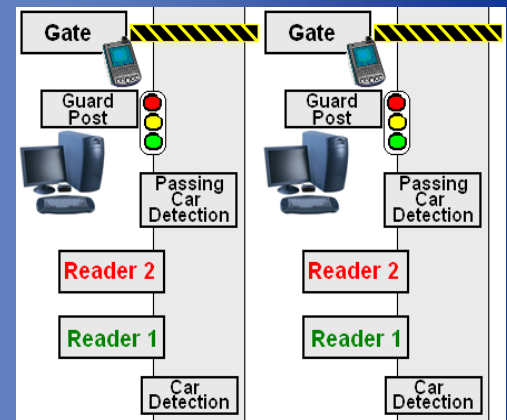
- ◆ GO/NO GO status indication for clear positive identification (GREEN,YELLOW,RED,WHITE)
- ◆ Supports bar code technology including Government CAC cards (Base32, Code 39, etc.)
- ◆ Secure computing and data exchange using the patent pending SafeCryptNet™ encryption technology
- ◆ 6 User defined fields for visual verification display
- ◆ Supports Multiple Card formats (Proximity, Wiegand)
- ◆ Fast access time for quick movement of personal (Buses, Carpools, Caravans, etc.)
- ◆ Real-time access to wireless network for data transfer
- ◆ Seamlessly integrates with new or existing perimeter security and access control equipment, traffic signs, loop detectors, motorized gates, and a variety of other vehicle sensors
- ◆ Supports and runs on Microsoft® Windows XP, Vista, Windows 7



### Two Lane Traffic



### Four Lane Traffic





Intelli-Gate's various traffic control features are designed to eliminate wrong-way crashes, enhance school zone pedestrian safety, and effectively manage reversible lane traffic flow by incorporating various traffic control sensors, barriers, and warning systems designed at protecting vehicles, passengers, and pedestrians.

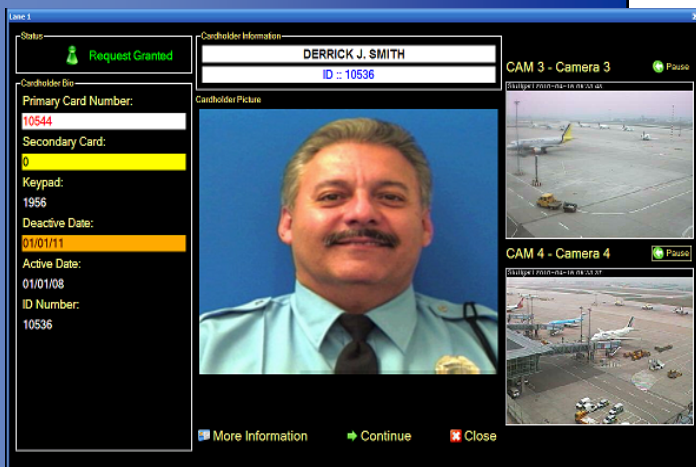


## Traffic Control



- ◆ Supports up to 4 lanes of Over Speed Detection per system with integrated barrier controls as well as both visual and audible warnings. The system utilizes a Doppler radar detection device with user configurable control and activation.
- ◆ Supports up to 4 lanes of Wrong Way Detection with integrated barrier controls as well as both visual and audible warnings. The system is configured to activate in accordance with specified time zones on a per lane basis for areas where reverse direction is used for peak traffic.
- ◆ Vehicle counting for high security facilities with a single point of entry into a secured location. (i.e. Nuclear plants or weapons storage areas)
- ◆ Easily incorporates vehicle warning lights, message center activations, Wig-wag warning lights, and various warning systems.
- ◆ Single click Homeland security or force protection condition changes for heightened security situations.

**\*\* Some of the features highlighted on this page are optional and not part of the standard Intelli-Gate Software. Contact your sales representative to discuss your specific requirements.**





**IG - Enrollment is a full featured Video Badging system created to work directly with your Intelli-Gate System. Design and print ID badges on plastic cards, overlays, or Proximity Cards to combine access control and photo ID on a single credential. Digital photographs can be imported or directly acquired then combined with multi-color custom graphics, text information, bar codes, and signatures to create the ID card suitable to your specific requirements.**



## IG-Enrollment



The IG-Enrollment Badging Suite is an affordable alternative to most other photo ID systems on the market, without sacrificing any of the quality that other systems offer for both commercial and government applications.

For larger facilities with heavy visitor traffic the IG-Enrollment system incorporates full visitor management features including a Web based pre-enrollment add-on package. The state-of-the-art and extremely user-friendly ID software makes photo ID creation possible for anyone. Cards can be customized with an array of colors and unique designs for various purposes.

### DATABASE SUPPORT

- ◆ Stores standard cardholder data such as Name, Card Number, Inactive Date, Company, Department or Job Title, Default Access Permission, and Expiration Period utilizing up to 45 user definable data fields
- ◆ Manages multiple databases simultaneously (MySQL, MSSQL, and Oracle)
- ◆ Import and Merge records and fields from multiple databases
- ◆ Bi-directional database communications, ensuring updates are instantaneously recorded on all hosts and remote terminals, even over the Internet. Import from any ODBC compliant database!
- ◆ Built in Report Writer with full custom report capabilities including the ability to attach biometric (fingerprint, handprint, or retina scan) image and pictures to reports.
- ◆ Card records can be securely sent via the Internet in a "ready to print" format to an Assure ID Card Service Bureau for primary or backup card printing.
- ◆ Full Live Redundant backup capabilities
- ◆ Business Card / ID Scanner enrollment capabilities
- ◆ Web based pre-enrollment for Visitor Management utilities
- ◆ Comprehensive Help System

\* All other company and product names may be trademarks of their respective companies.

### BADGE CREATION

- ◆ Captures photos with any TWAIN compliant device such as a scanner or digital camera as well as CCTV (with Frame Grabber Video Card) or Web Cam
- ◆ Easy drag & drop "What You See Is What You Get" (WYSIWYG) design tools with chromakey and ghosting support enables professional looking cards with customized backgrounds and logos
- ◆ Add corporate logos using raster graphic file formats BMP and JPEG
- ◆ Signatures can be imported via a signature pad with customized color and size
- ◆ Image cropping capability
- ◆ Incorporated security features such as duplex card designs and pastel or "ghosted" images
- ◆ Multiple design templates easily applied for card printing
- ◆ Dual Sided Templates can have generic back and custom front
- ◆ Badges can be created as part of a group for batch badge creation

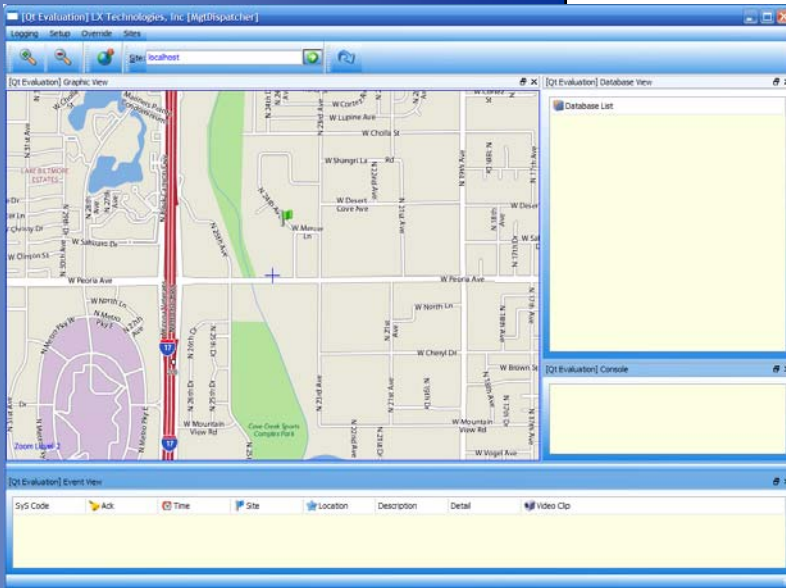
The Online Visitor Pre-Registration System is menu driven and presents directed tasks that make the reception process easy. In addition each of the systems data fields are user definable and integrate directly into your access control system offering the ultimate in system flexibility.



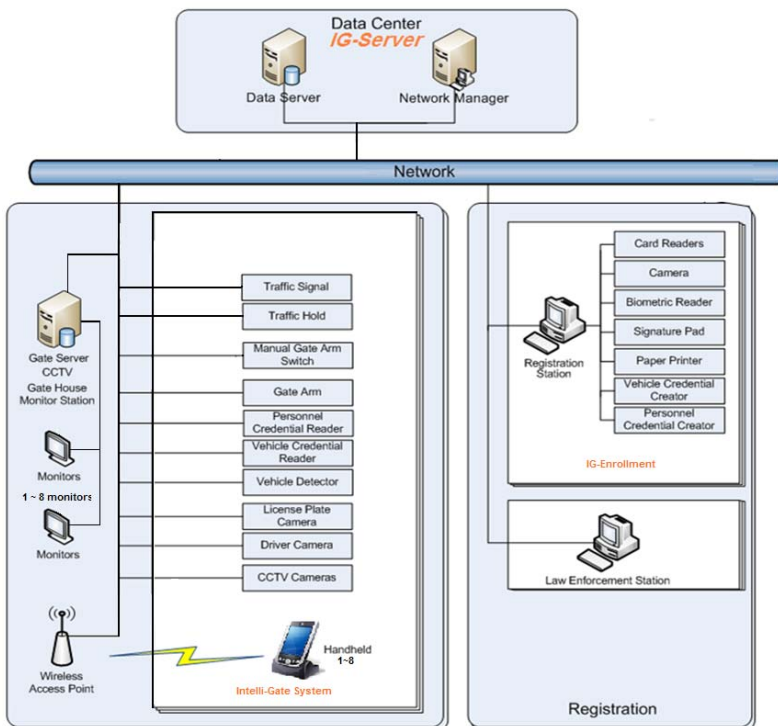
IG - Server is a complete security and video management dashboard system designed to network Intelli-Gate systems for database control and central video management. Ideal for users that have multiple sites over a broad geographical area that need to be managed centrally the system comes with a built in graphical viewer utilizing an internet mapping service for fast call up of individual sites. Once the individual Intelli-Gate System is queried the user can manage database functions remotely without any intervention from the site personnel. From the IG - Server the user can view both live and recorded video as well as change and configure databases including cardholder data, security areas, etc.



## IG Server - Remote Management



- ◆ Unlimited Security/Video Access (password controlled)
- ◆ Database control and manipulation via Tables and/or Forms
- ◆ Full Video Management (call up Live and Recorded Video)
- ◆ Alarm Management with Video Call-Up
- ◆ Both Local and Remote Backup Functions
- ◆ Video File Storage ( Remote, Local, Other Servers)
- ◆ Remote Override Control ( Access, Security, and Video)
- ◆ Full Email Support (event and/or user based)
- ◆ Built in Internet Mapping System (Google Maps, Yahoo! Maps)
- ◆ Utilizes SSL (Secure Sockets Layer) for maximum security
- ◆ Database configuration and integration of MySQL, MSSQL, and Oracle databases
- ◆ Query Browser (SQL Commands, Stored Procedures)
- ◆ Text based searching for ease of use and fast call-ups
- ◆ Secured connections can be triggered based on an event, time schedule, or user action
- ◆ Operates on Windows XP, Vista, or Windows 7



**Dealer**



## Intelligent Traffic/Parking Vehicle Management Systems



**Address:** **Intelligent Perimeter Systems**  
**1660 NW Professional Plaza**  
**Upper Arlington Ohio, 43220**

**Phone:** **614-526-3220**  
**Fax:** **614-526-3227**

**Website** **[www.ibarrier.com](http://www.ibarrier.com)**

**E-mail** **[jhalaut@ibarrier.com](mailto:jhalaut@ibarrier.com)**