

GE  
Security



# Picture Perfect™ v3

The #1 Enterprise Access Control System



# GE is the #1 access choice among Fortune 100 companies. In fact, 72 out of 100 use it.

Here's why. Picture Perfect is the key enterprise platform for large, multi-site organizations. It supports an unlimited number of badge holders and card readers and gives you access to advanced features like database partitioning and occupancy control. Picture Perfect enables an organization to delegate facility administration and manage from a centralized location. And Picture Perfect provides real-time monitoring and audit trails.

The first Picture Perfect system went into service in 1991. But don't let that fool you—Picture Perfect has continued to evolve because our customers demand it. From day one, Picture Perfect has been a Unix application. Because of that, Picture Perfect is one of the most reliable access control systems on the market. Today, Picture Perfect v3 runs on the latest version of Red Hat Linux as well as on IBM AIX. In addition, Picture Perfect's ODBC compliance, incorporation of Java technology into its Web client, and feature-rich XML API give you the flexibility to adapt Picture Perfect to your IT Infrastructure.

# Advanced access control capabilities

## Access Control

- Badge and/or keypad
- Anti-passback (hard and soft)
  - Global APB
  - Timed APB
- Occupancy control and two-man-rule
- Double badge
- Limited usage
- Elevator control with floor tracking
- Badge trace with optional alarm on a per badge basis
- Swipe and show with optional scrolling thumbnail images
- Escorted badges
- Time-and-attendance data collection

## Alarm Management

- 500 priorities
- Color coded alarms
- User-definable individual alarm instructions
- Pre-defined and free-form alarm responses
- Send alarms to operator, printer, history, or SMTP device like email or pager
- Alarm routing and bumping between operators on screen or via SMTP
- Four-state alarm indication (open, closed, cut, short)
- Keypad duress alarm
- Pre-alarm warning
- Alarm graphics
- Time zone adjusted

## Operator Management

- Unlimited number of operator accounts
- Database facility partitioning
- Screen and field-level permissions
- Customizable screen layouts for different operators
- Operator history audit trail



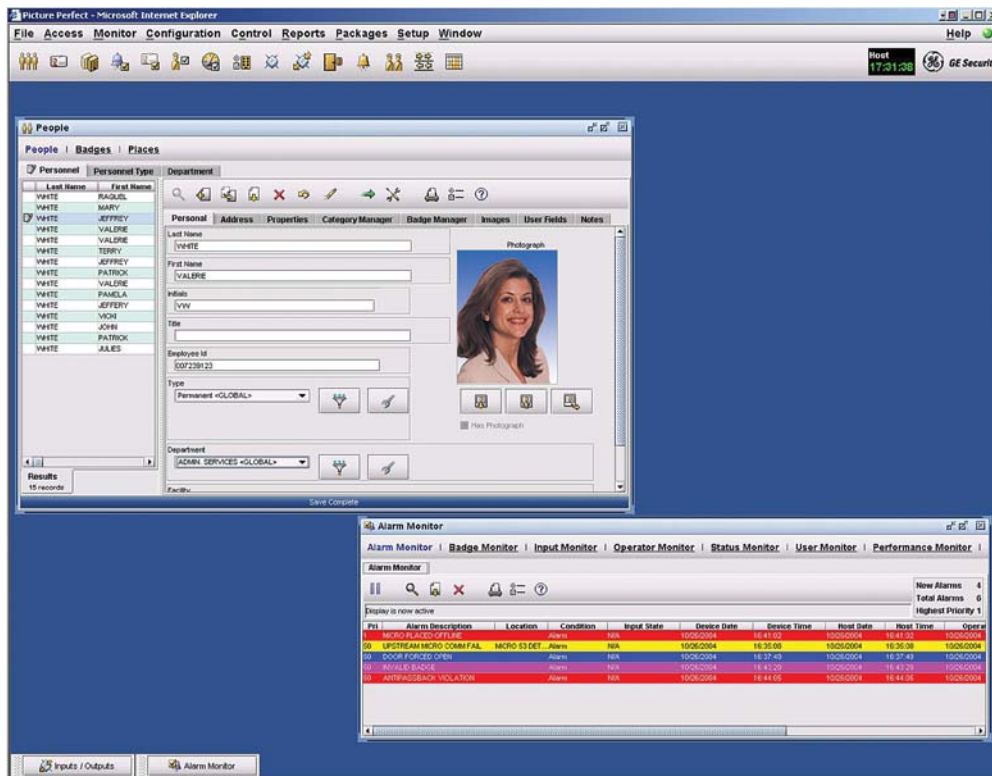
## Usability

- Multiple record update
- Definable templates for configuration wizards
- Enhanced menus to improve operator effectiveness
- User-definable data entry and search forms



# The number one access control system just got a face-lift

Picture Perfect's new v3 interface takes on a more user-friendly form. But the beauty is more than skin deep. This Java-based interface takes advantage of JDBC technology to ensure cross platform compatibility.



- Easily recognizable icons give quick access to often-used functions
- Tabbed interface organizes screens with lots of data into easy to read groupings
- Familiar main menu organizes functions into easily accessible categories
- Templates and wizards can be used to step you through the process of creating devices and other records in the system

Not only is the new Picture Perfect interface better looking, but professional usability studies concluded that users can navigate it more easily than previous versions. Even inexperienced operators will find Picture Perfect easy to use.

## Web-based client means platform independence

Users access all of Picture Perfect's features—including badge creation—through a single Web-based user interface. This new interface was written in Java, and it features JDBC (Java Database Connectivity). As a result, the Picture Perfect v3 interface runs on most browsers.

Picture Perfect's GUI Builder Framework generates user interfaces dynamically based on information stored in the database. A system administrator can customize these interfaces using the Picture

Perfect Custom Form Creator. An administrator can even create different user interfaces for different operators.

Once an administrator makes enhancements to the user interface, they are pushed out to all users automatically when they log in.

To ensure the security of data exchanges between users and the Picture Perfect server, Picture Perfect v3 uses Triple DES SSL encryption.



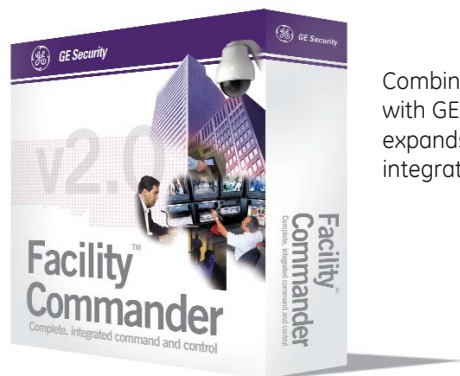


## Security and communications interfaces enable integration with other security and facility management systems

Picture Perfect v3 includes interfaces that enable integration with a number of security platforms:

- CCTV
- Fire detection
- Intercom
- Intrusion detection
- Central station monitoring

Picture Perfect is also compatible with GE's Facility Commander™ integration platform. In fact, Facility Commander includes built-in drivers for Picture Perfect. Working together, Picture Perfect and Facility Commander give you even more integration capabilities. That's because Facility Commander includes drivers for third party digital video recorders, analog CCTV switchers, intrusion systems and intercom systems. And GE continues to work with third party vendors to develop additional drivers for future releases of Facility Commander.



Combining Picture Perfect with GE's Facility Commander expands Picture Perfect's integration capabilities

## Compatibility with standard database access methods improves integration

In Picture Perfect v3, all of the business logic has been moved into the database. In addition, Picture Perfect supports both open database connectivity (ODBC) and Java database connectivity (JDBC). This means that IT departments can integrate directly to the Picture Perfect database using ODBC or JDBC without bypassing the business logic, making it easier to integrate with external systems, like human resources.

## Database partitioning enables delegation of appropriate activities

Picture Perfect enables you to create a 'virtual' database for each of your facilities through partitioning of the main database. With partitioning,

you can assign operators, schedules and related devices—like microcontrollers and card readers—to separate facilities. You then create facility profiles that assign operators unique permission sets per facility. Field-level permissions on all screens within the Picture Perfect Web client give a degree of control over the system to the facilities. Partitioning the system in this manner enables you to delegate appropriate access control function to facilities while maintaining central control.

## UNIX provides stable, reliable operation

Picture Perfect is a Unix-based application. The Picture Perfect server runs on top of IBM AIX on the IBM pSeries servers or on top of Linux on Pentium-based servers. Both of these operating systems are less susceptible to computer viruses than Windows, and both are more stable than Windows in a shared-server, or multi-user environment. Combining the stability of Unix with Picture Perfect's redundant host feature results in high availability.

Because it's easier to maintain UNIX servers than Windows servers for the same level of reliability and performance, both offer a better price-to-performance ratio. Linux offers additional savings because it can run on low-cost server hardware.

## XML API enables integration with external applications that require real-time data exchange

Picture Perfect uses an XML API to send and receive real-time messages. This makes it easier to integrate Picture Perfect with external applications like time and attendance packages. Picture Perfect also uses the XML API send messages to and receive messages from the Picture Perfect Web client—when you integrate an external application with Picture Perfect using the XML API you will get the same consistent behavior you get from the Picture Perfect user interface.

## Networked control panels enable IT departments to monitor Picture Perfect just like other network systems

Many access control panels are really serial communication panels bundled with a terminal server that enables them to interface with the network. Picture Perfect, however, uses true networked panels. This enables IT to manage and monitor Picture Perfect's access panels as they would other network devices.

## Multi-host configurations

Picture Perfect v3 offers two multi-host configurations. A redundant configuration incorporates two identical servers, one acting as a hot standby. In a host/subhost configuration, one network host synchronizes the data across all the subhosts. Each subhost is a Picture Perfect server with its own set of network panels. It is like having many synchronized, stand-alone systems.

## Simplifies global time zones

Picture Perfect operators, devices, and hosts can reside in many time zones. To eliminate confusion that can occur when scheduling and monitoring events, Picture Perfect enables you to choose the time zone contexts you work in.

As an example, consider a system in which the host resides in Houston; access panels, card readers and door strikes reside in New York, Houston and San Francisco; and you, the operator, reside in San Francisco.

If you want to create a schedule to open a door in New York at 8 a.m. Eastern Standard Time, what time would you type in? Without time zone support, you would have to figure out the host time, or 7 a.m. Central time, and enter that. With time zone support, you simply enter the time and specify the context—operator time, device time or host time. In this case, specifying 8 a.m. device time would achieve the result you want.

This same feature enables you to create a single schedule that affects multiple regions. What if your company's standard business day begins at 9 a.m. and you want to open the doors of all your facilities at that time? Simply create a schedule to open all the doors at 9 a.m. and specify that the context is device time. Doors in New York will open at 9 a.m. Eastern time, doors in Houston will open at 9 a.m. Central time, and doors in San Francisco will open at 9 a.m. Pacific time.

Time zone support also eliminates confusion that can occur while monitoring system activity. If you receive an alert that a door was forced open in Houston at 8 a.m., and you're in San Francisco

where it's 8:01 a.m., did the forced open happen two hours ago, or did it just happen? By choosing operator context you find out that it happened at 6 a.m. your time—two hours ago.

Picture Perfect records all activity in history tables. In fact, it records all transaction data in all time zone contexts and provides the ability to run reports in any context. This information is independent of subsequent changes made to time zone settings for hosts, devices or operators and is admissible as evidence in a court of law.

## Built-in support for six languages makes Picture Perfect a good choice for global enterprises

Picture Perfect v3 supports several languages. When a user logs in, the Picture Perfect user interface appears in the selected language. Current languages supported:

- French
- English
- Italian
- Portuguese
- Spanish
- Korean

## A perfect vision for the future of small businesses, large enterprises and everything in between

Thousands of organizations are already taking advantage of the high-level security, expansion and upgrade capabilities that GE offers. These facilities appreciate the feature-rich security management that GE access control and integration products provide. Now is the time for you to become part of the GE family and enjoy the long-term benefits of selecting the most comprehensive and reliable security products available today.

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