Overview

Picture Perfect™ from GE is an enterprise-class security management platform that integrates access control, alarm monitoring, photo ID credentialing, and data management. Proven and trusted by security and IT professionals since 1991, Picture Perfect delivers performance advantages and cost-saving features that no other system in its class can offer.

Picture Perfect is the only security platform designed for IBM AIX and Red Hat Linux server platforms. This enhances its inherent power and performance with proven reliability and a lower Total Cost of Ownership compared to Windows server-based alternatives.

Picture Perfect features a Web-deployable Java thin client that cuts support costs and is completely compatible with your existing IT infrastructure, including Windows desktops. Meanwhile, its non-proprietary ODBC-compliant database and open XML-based programming interface facilitates enterprise-wide data sharing, and supports unlimited opportunities for integration with other back-office and mission critical applications.

Thanks to its UNIX-based architecture, Picture Perfect is reliable, stable, and less vulnerable to virus attacks than a Windows-based system. Powerful enough to support more than 10,000 doors worldwide, Picture Perfect can sustain millions of badge transactions and operate for years without interruption. This, along with its usability and scalability, makes Picture Perfect the access control system of choice of Fortune 100 companies.

Standard Features

- Security management and access control on one cohesive platform
- Provides access control, alarm monitoring, alarm notification, custom reporting, and photo ID credentialing
- Interfaces with CCTV, intrusion detection, fire alarm, and intercom systems
- Available platform extensions for integrated digital video, visitor management, and Web-based reporting
- XML-based API provides a familiar development environment for creating custom applications
- Leverages the inherent stability and cost-cutting benefits of a UNIX-based architecture
- Less vulnerable to virus attacks than a Windows-based system
- Lower hardware costs provide a higher return on investment
- Easy to upgrade, no interruption of service
- ODBC and JDBC connectivity supports real-time data exchange with existing back-office and mission critical applications
- Modular and scalable for a single facility or thousands of locations worldwide
- Web-deployable JAVA thin clients with 128-bit SSL encryption, eliminate workstation installation and support costs while maintaining security

Picture Perfect™ v4

Integrated Security Management and Access Control

Application

Picture Perfect is ideal where a UNIX-based strategy is the cornerstone for supporting mission critical business infrastructure. Its modular architecture allows for unlimited expandability from a single facility to thousands of locations worldwide, while maintaining a cohesive and consistent user environment.

Usability is a feature of Picture Perfect that has been instrumental in its success with IT managers and end users alike. Operators access the system using a standard Web browser right from their Windows desktop.

Picture Perfect supports connectivity methods using open standards, making it easy to exchange data in real-time with external security sub-systems, as well as existing business applications such as HR and Time & Attendance management. This ability to exchange data across multiple systems positions Picture Perfect as an integral part of providing the business intelligence your Security organization needs.

Scalability

Picture Perfect features a modular architecture that provides easy system expansion as your business needs grow.

Picture Perfect allows you to start with a single server or redundant server system. It manages hundreds of facilities and can easily scale to manage thousands of locations while maintaining the usability of a single, synchronized system. This system can comprise up to 30 servers by migrating to a Multi-Server Enterprise configuration.

System Interfaces

CCTV
- American Dynamics 2150
- Burle Allegiant TC8500 through TC8901
- Burle Allplex TC8928B
- Grundig
- Javelin JO-326
- Kalatel KTD-312
- Maxpro AT-100
- Panasonic Proteus 500
- Panasonic WJ-XS550A
- Pelco CM9750
- Vicon Viper 1300

Intrusion
- Osborne Hoffman Receiver
- DMP SCS-1 Receiver
- MAS & ABM Central Station
- Universal Intrusion Interface

Intercom
- Commend
- Stentofon 52/8 & 120/12 Touchline
- Stentofon 9600

Fire
- EST
- FireSine 4100
- Notifier AFP400, AFP1010, AM2020
- Simplex 4100

Open Integration
- XML based API
- Direct ODBC & JDBC

Capacities

System (Per Server)

Concurrent Clients	200+
Controllers	4,096
Readers	4,096+
Alarm/Aux Inputs	40,960
Alarm/Aux Outputs	32,768
Cardholders	Unrestricted

Concurrent (Per Controller)

Access Cards	100,000+
Access Levels	96x32 Areas
Time Schedules	1,024

Compliance

UL 1076 Security	Listed
UL 864 Fire	Pending
FIPS 201 PIV-I	FASC-N Support

Function Summary

Access control
- Credential and time scheduled access control
- Valid access/positive passage validation
- Elevator control with floor tracking
- Global, timed, and privileged APB
- Multi-person rules-based area access for occupancy control
- Limited card usage count control
- Keypad duress alarming
- Local keypad pre-alarm warning
- Photo ID verification on access
- Time & Attendance data collection

Alarm monitoring and management
- Dynamic graphic monitoring and control
- 500 priority levels of alarm processing
- User-definable alarm color coding
- User-definable individual alarm instructions
- Pre-definable and free-form alarm responses
- Alarm routing and bumping
- E-mail/SMTP alarm notification
- Boolean logic I/O and alarm control automation

Photo ID
- Credential template design with conditional field mapping for dynamic content printing
- Live image capture and file upload
- Image cropping, color correction, ghosting, watermarking
- Credential print and encode production
- Twain device support

Operator and data management
- Global and local time zone awareness
- Database facility partitioning
- Screen and field level permissions
- User customizable data entry and search forms
- Definable templates for configuration wizards
- Ad hoc query and custom reporting
- Operator history audit trail
- Scheduled database backups
- UTF-8/Multi-byte language support (Arabic, Chinese simplified and traditional, English, French, German, Italian, Russian, Spanish)

Optional Platform Extensions

Picture Perfect grows with your business and adapts readily to meet the most challenging enterprise-class security applications. Platform extensions are developed by GE to work seamlessly side by side with Picture Perfect and further enhance its capabilities, delivering even more business value.

Web-Based Reporting

The Card Access Report Management Application (CARMA) is an HTML-based report administration tool that allows department managers or other responsible parties to generate their own reports. It can be run securely with password authentication from any PC on the network.

Visitor Management

Visitor Central™ is a powerful visitor management system that offers a scalable, easy-to-use solution for identifying, authenticating and logging visitors. Its intuitive interface and automated features allow for quick and accurate visitor registration, while its integrated photo badging capability ensures every guest is properly accredited for access in and around your facility.

Digital Video Surveillance

Facility Commander is a security integration platform that provides event automation with command and control for video, access control, intercom, and intrusion devices from a single intuitive console. It supports a wide range of third-party video and intercom systems.

Platform Requirements

OS & DB Support
- Red Hat Linux WS, ES, or AS v3 & v4*
- IBM AIX 5L v5
- Informix Dynamic Server (IDS) v9

Minimum Server Requirements
- Pentium III-1GHz
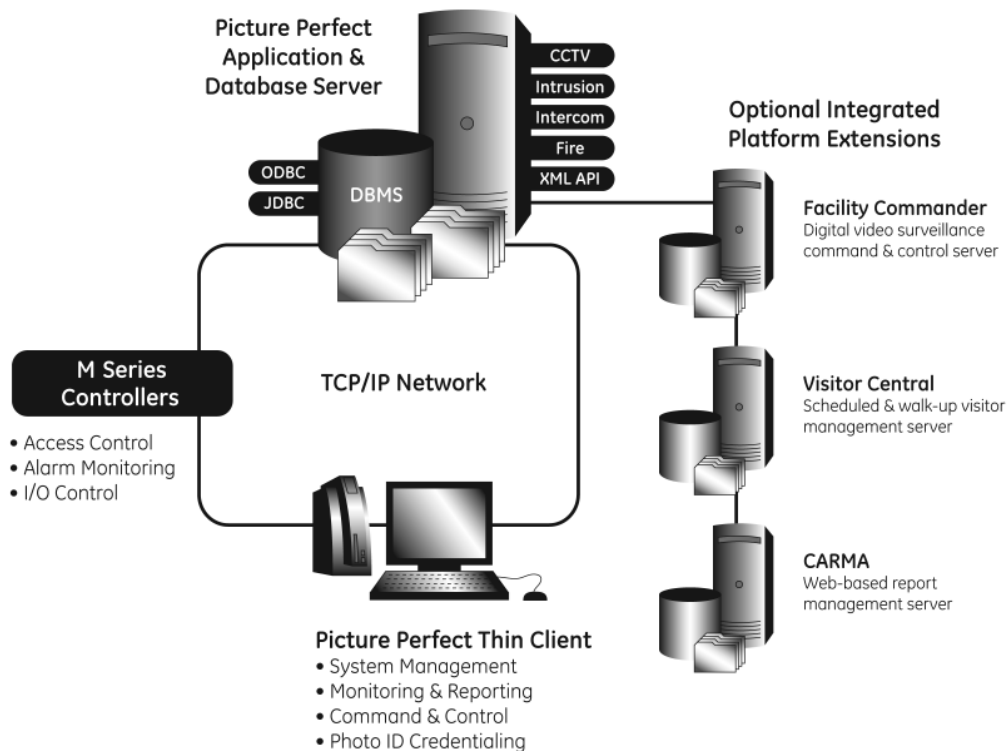- 1 Gb RAM
- 18 Gb hard drive
- CD-ROM drive
- 10/100 Mb NIC

OR
- IBM RISC 44p or IBM pSeries Model 610
- 1 Gb RAM
- SCSI controller
- 18 Gb hard drive
- CD-ROM drive
- 10/100 Mb NIC

Minimum Client Requirements
- Pentium III -1GHz
- 512 Mb RAM
- 100 Mb available disk space
- 10/100 Mb network interface card
- 1024 x 768 16-bit color display
- Internet Explorer 6.0
- SUN JVM (JRE v1.4.2_x)

System Configuration

Picture Perfect System Support Agreements include 12 months of technical call center system support with remote dial-in diagnostics assistance and free software version upgrades for new releases. Call your GE District Manager for pricing and details.

Ordering Information

Model Number	Description
Picture Perfect v4.0 Software *(Base software includes Informix IDS v9 DBMS, Data Import/Export, Graphics Monitoring & Control, (1) concurrent client license, (0) reader capacity license, Operating System NOT Included)*	

PP v4.0 Server Software - LINUX version

Model Number	Description
PP40LIN-SINHOST	PP v4.0 - Linux, Single Server base license package
PP40LIN-EHOST15	PP v4.0 - Linux, Multi-Server Enterprise host base license package for managing up to (15) subhosts
PP40LIN-EHOST30	PP v4.0 - Linux, Multi-Server Enterprise host base license package for managing up to (30) subhosts
PP40LIN-ENTSUBH	PP v4.0 - Linux, Multi-Server Enterprise subhost base license package
OSLINUX-RHESV40	Linux Operating System - Red Hat Enterprise (ES) v4.0 Basic Edition subscription

PP v4.0 Server Software - AIX version

Model Number	Description
PP40AIX-SINHOST	PP v4.0 - AIX, Single Server base license package
PP40AIX-EHOST15	PPv 4.0 - AIX, Multi-Server Enterprise host base license package for managing up to (15) subhosts
PP40AIX-EHOST30	PP v4.0 - AIX, Multi-Server Enterprise host base license package for managing up to (30) subhosts
PP40AIX-ENTSUBH	PP v4.0 - AIX, Multi-Server Enterprise subhost base license package

PP v4.0 - Client Licenses per Server

Model Number	Description
PP4USER-001CLNT	PP v4.0 Client single concurrent user license
PP4USER-010CLNT	PP v4.0 Client 10-pack concurrent user license
PP4USER-025CLNT	PP v4.0 Client 25-pack concurrent user license
PP4USER-050CLNT	PP v4.0 Client 50-pack concurrent user license
PP4USER-100CLNT	PP v4.0 Client 100-pack concurrent user license
PP4USER-PHOTOID	PP v4.0 Imaging Client - single concurrent user license with Photo ID badging

PP v4.0 - Initial Reader Capacity Licenses per Server

Model Number	Description
PP40RDR-0016LIC	PP v4.0 Reader Capacity License - 1 to 16
PP40RDR-0032LIC	PP v4.0 Reader Capacity License - 1 to 32
PP40RDR-0064LIC	PP v4.0 Reader Capacity License - 1 to 64
PP40RDR-0128LIC	PP v4.0 Reader Capacity License - 1 to 128
PP40RDR-0256LIC	PP v4.0 Reader Capacity License - 1 to 256
PP40RDR-0512LIC	PP v4.0 Reader Capacity License - 1 to 512
PP40RDR-10024LIC	PP v4.0 Reader Capacity License - 1 to 1,024
PP40RDR-2048LIC	PP v4.0 Reader Capacity License - 1 to 2,048
PP40RDR-4096LIC	PP v4.0 Reader Capacity License - 1 to 4,096

PP v4.0 - Reader Capacity Increase Licenses per Server

Model Number	Description
PP40RDR-0032INC	PP v4.0 16 to 32 reader capacity increase for previously licensed systems
PP40RDR-0064INC	PP v4.0 32 to 64 reader capacity increase for previously licensed systems
PP40RDR-0128INC	PP v4.0 64 to 128 reader capacity increase for previously licensed systems
PP40RDR-0256INC	PP v4.0 128 to 256 reader capacity increase for previously licensed systems
PP40RDR-0512INC	PP v4.0 256 to 512 reader capacity increase for previously licensed systems
PP40RDR-10024INC	PP v4.0 512 to 1024 reader capacity increase for previously licensed systems
PP40RDR-2048INC	PP v4.0 1,024 to 2,048 reader capacity increase for previously licensed systems
PP40RDR-4096INC	PP v4.0 2,048 to 4,096 reader capacity increase for previously licensed systems

PP v4.0 - Software Options per Server

Model Number	Description
PP40OPT-REDSYST	PP v4.0 Redundant System Option
PP40OPT-GUARDTR	PP4.0 Guard Tour Option
PP40OPT-APIINTF	PP v4.0 API - XML based API interface (EIF) Option
PP40OPT-CCTVINT	PP4.0 CCTV Control System Interface Option
PP40OPT-ICSRECV	PP v4.0 Intrusion Central Station Receiver Interface Option
PP40OPT-ICSAUTO	PP v4.0 Central Station Automation Platform Interface Option
PP40OPT-INTRCOM	PP v4.0 Intercom System Interface Option
PP40OPT-HVACBAS	PP v4.0 HVAC & Building Automation System Interface Option
PP40OPT-FIREINT	PP v4.0 Fire System Monitoring Interface Option

PP v4.0 - Replacement Media Kits & Version Upgrades

Model Number	Description
PP40ALL-MEDIAKT	PP v4.0 Linux & AIX System Replacement Media Kit - Unlicensed
PP4XXUP-XXXXXXX	Call for specific ordering information to upgrade from v1.5, v1.7, and v2.0

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