

# product bulletin

## Picture Perfect™ v4

### Why Upgrade to Picture Perfect v4?

An upgrade to Picture Perfect v4 will bring your mission critical access control system up to date with the latest technology and access control features.

#### How do you make the #1 access control system even better? You told us.

##### *Make it easier to use*

Picture Perfect v4 features a new single graphical user interface (GUI) with 30% fewer screens than before, reducing training time and making operators more productive. What's more, you can access all Picture Perfect functions using a standard Web browser.

##### *Give us flexibility to customize the interface*

You can customize the Picture Perfect GUI for data entry and search forms, form and field-level permissions, as well as create templates for configuration wizards. You can even create different user interfaces for different operators. And when you make changes to the user interface, they are automatically pushed out to all users when they log in.

##### *Lower our deployment and support costs*

Picture Perfect v4 features a single, Web-deployable Java thin client. That means client functions are deployed over the Web rather than installed on individual workstations. That eliminates the need for local IT resources to install, support and maintain desktop software applications.

##### *Give us fewer applications to manage*

Picture Perfect's single client architecture delivers a 2 to 1 reduction in clients. That's because its thin client eliminates the need for both Web browser and access control thick clients.

#### *Historical View of Picture Perfect Clients*

	PP v1.55 April, 1999	PP v1.7 July, 2001	PP v2.0 January, 2003	PP v4.0 May, 2006
<b>Clients</b>	SAM Web Browser Access Vision  Portrait Perfect Access Vision Imaging	SAM Web Browser Access Vision  Access Vision Imaging	Web Browser Access Vision  Access Vision Imaging	Single web-based Java thin client  <i>Modern, more user- friendly graphical user interface</i>
	<i>All clients made obsolete by web-based Java thin client</i>			

##### *Make it easier to support global operations*

Picture Perfect v4 gives you tools to manage security for facilities worldwide. Its time zone support lets you choose the time zone you're working in and automatically adjusts for the time zone where a card reader, server or user is located. That eliminates confusion and errors when you're scheduling actions or monitoring events. Picture Perfect also supports multiple languages including English, French, Spanish, Italian, Portuguese and Korean. When a user logs in, the GUI appears in the selected language.

### Give us more integration capabilities

Picture Perfect v4 supports both open database connectivity (ODBC) and Java database connectivity (JDBC). That means you can integrate directly to the Picture Perfect database using ODBC or JDBC with native triggers for real-time person and badge record updates. Picture Perfect also includes an XML API that supports real-time data exchanges, plus multiple communication interfaces for integration with external security systems like video surveillance, fire and intrusion alarms, as well as business systems like Time & Attendance applications.

### Provide more data management tools

In Picture Perfect v4, you can create multiple badges per person record, giving you greater flexibility in setting access privileges for different users and facilities. You can also delete device records as needed, clearing out data that is no longer needed.

## See What You're Missing

Experience all the latest access control features when you upgrade to Picture Perfect v4.

### Historical view of Picture Perfect features

The table below highlights the new features added to the system over the years:

	PP v1.55	PP v1.7	PP v2.0	PP v4.0
	April, 1999	July, 2001	January, 2003	May, 2006
<b>New Features</b>	Elevator Control with floor tracking	New license manager	Increased categories	Single Web-deployable Java thin client
	Timed anti-passback	Picture Perfect delivered on CD	Eflash microcontrollers	EIF Interface utilizing XML RPC
	Report permissions	Photos moved to database table	Flexible partitioning	SSL encryption between client and server
	Advanced temporary category scheduling	Two man rule and modified two man rule	E-Mail alarm routing	Multiple time zones
	Archive to disk file	Occupancy counting	Seed counter	Multiple badges, single person
	Access secure operations	Scheduled backup to disk file		Customizable forms
	Remove alarm on reset - UL1076 compliance	Common Desktop Environment (CDE) <i>Now obsolete</i>		Templates for easy system configuration
	Port throttling for microcontroller traffic	Web Browser uses Tarantella Enterprise Server <i>Now obsolete</i>		Multiple record update and delete
	DES encryption for networked microcontrollers	Database space monitor		Field level permissions
		Failover threshold support for redundant configuration		Enhanced printing support
				Configurable pre-alarm time
				Traced badge alarm
				Thumbnail photos on badge monitor
				New alarms blink in alarm monitor
			Multiple time zones	
			UTF-8 encoding	

### Historical view of Picture Perfect controllers

	PP v1.55 April, 1999	PP v1.7 July, 2001	PP v2.0 January, 2003	PP v4.0 May, 2006
<b>Microcontrollers</b>	MicroProx Micro/2 Micro/4 Micro/5E Micro/5-PX Micro/5-PXN Micro/PX-2000 Micro/PXN-2000	Micro/2 Micro/4 Micro/5-PX Micro/5-PXN Micro/PX-2000 Micro/PXN-2000	M5 enclosure M2000 enclosure  PX CPU card PXN CPU card	M5 enclosure M2000 enclosure M3000 enclosure  PX CPU card PXN CPU card PXNplus CPU card

Our latest controller, the PXNplus brings you the features you require in an enterprise-class access control system. PXNplus stores the local database in non-volatile RAM. Therefore, in the event of a catastrophic loss of power and network communications, your controllers will continue to secure your facilities throughout the world. Using Dynamic DNS and DHCP allows you to quickly redirect controller communications to backup servers in the event of a server hardware failure. Because each PXNplus CPU comes with a network connection, you can eliminate downstream controllers and flatten your network—thereby improving system performance. You can only take advantage of GE's new PXNplus controller if you are running Picture Perfect v2 or v4.

### Historical view of Picture Perfect operating systems and databases

We understand that you cannot afford system failure. Picture Perfect v4 has evolved into an access control system using the best technology available in the marketplace. If you are still operating on Picture Perfect v1.55 or v1.7 your computer hardware and controllers have aged significantly and your risk for hardware failure and down time has increased. In many cases, the manufacturer no longer supports the version of the operating system and databases running on your machine. It's time for a technology refresh!

	PP v1.55 <i>No longer supported by GE Security</i> April, 1999	PP v1.7 <i>No longer supported by GE Security</i> July, 2001	PP v2.0 January, 2003	PP v4.0 May, 2006
<b>AIX Operating System</b>	AIX V4.2.1 <i>Not supported by IBM</i>	AIX V4.3.3 <i>Not supported by IBM since 12/31/03</i>	AIX V5.1L <i>Not supported by IBM since 4/1/06</i>	AIX 5L Version 5.2 up to ML05
<b>PC Operating Systems</b>	SCO UnixWare V2.1.3 <i>No longer supported</i>	Red Hat Linux V7.2 <i>shareware</i>	Red Hat Linux V7.3 <i>shareware</i>	Red Hat Linux WS, ES or AS V3.0 or V4.
<b>Database</b>	Informix V5.07 <i>Not supported by IBM</i>	Informix Dynamic Server 2000 9.2.1 <i>Not supported by IBM since 6/30/04</i>	Informix Dynamic Server 2000 9.3 <i>Not supported by IBM since 4/30/05</i>	Informix Dynamic Server 2000 v9

You have made a significant investment in Picture Perfect as a vital part of your security infrastructure. Preserve this investment with an upgrade to v4—you will reap the benefits of all the new access control features, reduce support costs, and experience improved system performance.