

JOHNSON
CONTROLS

P2000
Video Imaging System



The Johnson Controls Video Imaging system is easy to use and enhances your security.

Helping you make sure that the right people are accessing the right places within your facilities is what the Johnson Controls Video Imaging system is all about. As an optional feature of our P2000 and P2000LE security management systems, the Video Imaging system provides integrated video imaging capabilities for use in tasks such as designing badge layouts, creating cardholder records and printing IDs.

The Video Imaging system provides easy-to-use design features and user management tools. With little or no training, operators are able to create custom card designs, generate reports and track user activity. For you this means enhanced security from cards that are more difficult to counterfeit, and better cardholder management and monitoring. And, the system's architecture is designed to work with standard cameras, video, printers and Wiegand readers, which allows you to use existing equipment and easily expand for future needs.

More than just ID badges

Whether it's designing sophisticated imaging solutions as part of an overall security management system or to simply create loyalty cards, Video Imaging offers cost-effective and flexible systems that meet the needs of most any ID/security application.

Any Windows® compatible printer is supported along with other capture devices like signature pads and fingerprint scanners. With the system's sheet printing feature, this flexibility allows you to use the system for more than just ID badges. Applications include things like human resource's records, inventory records, retail loyalty programs, visitor badges, medical applications such as bracelets and blood bags, and employee announcements among others.



System Overview

Create attractive cards that are difficult to counterfeit

Windows Operation

With a click and drag interface and other familiar Windows® conventions, the Johnson Controls Video Imaging system is easy to learn and use. Little or no training is required before operators are designing sophisticated badges that meet your unique security needs.

Custom Card Design

Users are free to create and edit all aspects of the badge's graphical design. Badge backgrounds and graphics can be made from your images, and can be manipulated to discourage tampering and counterfeiting. The system accepts a variety of image formats, and a virtually unlimited number of images can be placed on a badge.

■ Image Ghosting

An image can be made to appear somewhat transparent. This ghosted image is virtually impossible

to forge, particularly when it is superimposed over a background or logo.

■ Layered Images

Multiple images can be placed "in front" or "behind" each other. There is no limit to the number of images or layers of images that you can place on a badge. This allows you to design visually appealing badges that are nearly impossible to copy.

■ Feature Rich Imaging

To meet both your security and badge design needs, the photographic background color can be changed or removed. You can adjust the aspect ratio of any image. Image rotation is quick and easy. All Windows® fonts are available and can be vertically aligned, horizontally aligned, word wrapped or have a color or transparent background.

Better cardholder management and activity monitoring

One Badge. Multiple Technologies

Card reading technologies such as proximity, smart card, magnetic swipe and barcoding can all be used on a single badge. If your facility uses multiple reading technologies, this flexibility allows you to use existing readers and provides authorized personnel the convenience of using just one badge to gain access.

Multiple Badges

Most badging systems allow a cardholder to have only one badge assigned to them. This makes it difficult for authorized personnel to access multiple locations that may have different badge designs or security features built into them. The Video Imaging system allows multiple badges to be issued to a cardholder. Each badge and its corresponding location can be documented and tracked.

Convenient Deferred Activation

Badges can be created with activation and termination dates. You can produce badges at your convenience that will not allow access before an assigned activation date or that will automatically deactivate on a specified date.

Password Access

Multiple levels of password protection are used to determine which Video Imaging system features (i.e., view only, edit/delete and full-access), are available to any given operator.

Detailed Audit Trail and Reporting

A detailed audit trail tracks all cardholder database transactions by identifying users, dates, times, activity associated with edits, deletions and printed badges. Newly created records may also be accessed. Pre-defined reports, which can be viewed on-screen or printed, are available for security and administration purposes. Optional software for customizing reports is also available from Johnson Controls.

Flexible system architecture offers convenience, growth

Network and Hardware

The Video Imaging system architecture is flexible enough to meet your needs today using existing equipment, and can be expanded with additional workstations, readers and licensing to meet future requirements. Multiple workstations are supported on many standard TCP/IP LAN/WAN networks.

Portrait Capture Options

Video for Windows® and TWAIN® (image capture API for Microsoft Windows® and Apple Macintosh operating systems) can all be used to generate images to be placed on badges. FlexCam and digital cameras can also be used, eliminating the need to send employees to a central site or ship entire imaging systems between offices, saving you time and money.

Software-Controlled Video Camera

An optional driver allows live camera input into the system. While live, the operator can adjust the image position, camera zoom, color saturation, brightness, hue and contrast with just a click of a mouse – no need to physically adjust the camera. This saves time in setup and is especially helpful in varying light conditions.

Additional Capture Options

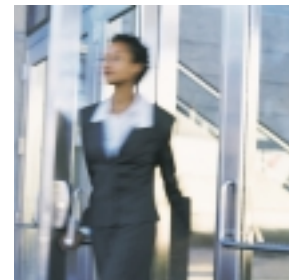
Signatures and fingerprints captured by signature pads and fingerprint scanners can be placed on security badges and visually compared, on-screen, to those stored in the system's database.

Card Printers

Any Windows® compatible printer, whether for PVC ID cards, labels or reports, can be used. Edge-to-edge and two-sided printing enhances card appearance while maximizing the amount of data that can be placed on a card. Immediate or batch printing is also available.



Cardholder Window



Features

Design Capabilities

- A virtually unlimited number of images can be placed on a badge.
- Images can be ghosted and layered for additional security.
- Accepts multiple image formats.
- Barcodes can be assigned as a field in the card design and automatically printed.
- Photograph's background color is easily changed or removed.
- Image rotation is quick and easy.

Software Features

- User-defined fields accommodate numbers, dates, text and toggle types, and can be placed anywhere on the badge.
- Detailed audit trail tracks all cardholder database transactions.
- Pre-defined reports can be viewed and printed.
- Optional Crystal Reports software available for creating customized reports.
- Multiple badges can be assigned to each cardholder.
- Assignable passwords dictate level of operator access.
- Optional driver available for software controlled video camera, including image positioning, zoom, automatic face centering and cropping.

System Highlights

- Supports multiple workstations on many industry standard TCP/IP LAN/WAN networks.
- Edge-to-edge printing.
- Two-sided printing.
- Signature and finger print capture.
- High and low coercivity magnetic stripe encoding.
- Immediate printing or batch printing available.
- Smart card encoding (DESfire).

NOTE: Features may vary, depending on video imaging software package selected at installation. Due to continuous development of our products, technical specifications and the information in this document are subject to change without notice.

