Capital Project Request Form

Manitowoc Wisconsin

Request Type: Unbudgeted

Department: Buildings and Grounds Date: 10/04/2014

Title of Request: Access Control - City Hall & Police Department

Department Priority: Critical

Linked to another project?
- ○ Yes
- ◉ No

Project Request is:
- ○ New
- ◉ Replacement
- ○ Modification

Estimated Useful Life: 15

This is a limited field, please attach documents for more detail.

Description: Existing Access Control is original to the construction of City Hall (2001). The PD was ad

Basis of Cost:
- ○ Quote
- ○ Bid
- ◉ Estimate

Total Cost: $11,000.00

Revenue (if any):

Net Cost: $11,000.00

Will there be additional costs in future years to complete this project?

select one:
- ○ Yes
- ◉ No

If yes, amount?

Finance: Account

Send to Department Date:

Approve up to $11,000 for

New System

A + C

NAY

MARTIN SYSTEMS

SECURITY • FIRE PROTECTION • HOME AUTOMATION

Martin Systems, Inc.
2744 Manitowoc Road.
Green Bay, WI 54311
Sales@MartinSI.com
800-640-3130

QUOTE

Date	Quote #
09/22/14	MSIQ18377

Quote To: City Of Manitowoc
900 Quay St Lower Level
Manitowoc, WI 54220

Customer: Jim Muenzenmeyer

Phone: (920) 686-6940
Mobile: 920-374-0429

Site: City Of Manitowoc
900 Quay St Lower Level
Manitowoc, WI 54220

Contact: Jim Muenzenmeyer
Email: jmuenzenmeyer@manitowoc.org
Phone: (920) 686-6940
Mobile: 920-374-0429

Quantity	Description	Unit Price	Amount
	Police Department and City Hall - Card Access Control Replacement		
1	System VII Software, Keyscan Access Control	$720.00	$720.00
1	4 Door Network Access Control Panel	$1,595.00	$1,595.00
1	8 Door Network Access Control Panel	$2,650.00	$2,650.00
2	Comm Board New Access Panels	$390.00	$780.00
11	Elite Proximity Readers	$150.00	$1,650.00
100	Martin Elite Keyfobs	$6.00	$600.00
12	Gray w/ Blue 22/6 Shielded Non-Plenum Security/Access Control SmartWire Stripe - P	$15.00	$180.00
1	Installation Labor	$1,800.00	$1,800.00
		SubTotal	$9,975.00
		Investment	$9,975.00

Thank You Michael Martin

Please return signed copy of attached sales agreement with 50% down payment.
Quote valid for 30 days. Applicable taxes, permits, license fees not included.

SALES AGREEMENT

Martin Systems, Inc.
2744 Manitowoc Road Green Bay, WI 54311
(800) 640-3130 Fax (920) 432-7416 Sales@MartinSi.com

Sales Rep: Michael Martin

Buyer's Name: City Of Manitowoc **Phone # (920) 686-6940**

Buyer's Equipment Site Address: 900 Quay St Lower Level Manitowoc, WI, 54220

MARTIN SYSTEMS, INC. (hereinafter referred to as "MSI" or "Seller") agrees to sell, instruct Buyer in the proper use of the security system, and install, at Buyer's premises, and Buyer agrees to buy, an electronic system, consisting of the following equipment; passcode and any programming of security system software remains property of MSI; (equipment identified by reference and/or attachments):

TYPE OF SYSTEM	REFERENCE - ATTACHMENTS	INVESTMENT
Keyscan Access Control System - 11 Proximity Card Doors	QUOTE MSIQ18377	$9,975.00
		$
		$
		$
		$
		$

Purchase Conditions: Customer agrees to pay MSI the total investment sums shown here together with all relevant taxes, fees, or other applicable charges according to the following terms: • Returned Signed Copy of Sales Agreement. • 50% Down Payment Before Work Begins. • Not Binding on MSI Without Authorized Approval. • Balance Due Upon Completion.	TAX	$0.00
	TOTAL INVESTMENT	$9,975.00

An interest charge of one and one-half percent (1-1/2%) per month shall be assessed to the balance of any charge not paid by Customer within thirty (30) days after completion of such services. In the event Customer should default in any obligation hereunder, Customer shall be liable for removal costs and MSI costs of collection, including attorney fees and costs. Quote subject to change after 30 days. MSI shall in no way be obligated to repair, restore, or redecorate the premise in the event system is removed for non-payment. MSI may substitute any equipment with models of equal performance.

SEE LIMITED WARRANTY, LIMITED LIABILITY & ADDITIONAL TERMS AND CONDITIONS OF THIS SALES AGREEMENT ON PAGE 2 WHICH ARE PART OF THIS CONTRACT. READ THEM BEFORE YOU SIGN THIS CONTRACT. BUYER ACKNOWLEDGES RECEIVING A FULLY EXECUTED COPY OF THIS CONTRACT AT TIME OF EXECUTION.

Authorized Buyer Signature_____ Date Signed _____

E-mail Address (required for E-billing) _____

Authorized MSI Representative _____ Date _____

Please Sign & Return Original copy, along with 50% Down Payment. Thank You

LIMITED WARRANTY

In the event that any part of the security equipment becomes defective, or in the event that any repairs are required, MSI agrees to make all repairs and replacement of parts without costs to the Buyer for a period of 90 days from the date of installation. MSI reserves the option to either replace or repair the security equipment, and reserves the right to substitute materials of equal quality at time of replacement, or to use reconditioned parts in fulfillment of this warranty. MSI's warranty does not include batteries, reprogramming, damage by lightning, electrical surge, or wire breaks. MSI is not the manufacturer of the equipment and other than MSI's limited warranty Buyer agrees to look exclusively to the manufacturer of the equipment for repairs under its warranty coverage if any. Except as set forth in this agreement, MSI makes no express warranties as to any matter whatsoever, including, without limitation, the condition of the equipment, its merchantability, or its fitness for any particular purpose. MSI does not represent nor warrant that the security equipment may not be compromised or circumvented, or that the system will prevent any loss by burglary, hold-up, fire or otherwise; or that the system will in all cases provide the protection for which it is installed. MSI expressly disclaims any implied warranties, including implied warranties of merchantability or fitness for a particular purpose. The warranty does not cover any damage to material or equipment caused by accident, misuse, attempted or unauthorized repair service, modification, or improper installation by anyone other than MSI. MSI shall not be liable for consequential damages. Buyer acknowledges that any affirmation of fact or promise made by MSI shall not be deemed to create an express warranty unless included in this contract in writing; that Buyer is not relying on MSI'S skill or judgment in selecting or furnishing a system suitable for any particular purpose and that there are no warranties which extend beyond those on the face of this agreement, and that MSI has offered additional and more sophisticated equipment for an additional charge which Buyer has declined. Buyer's exclusive remedy for MSI'S breach of this contract or negligence to any degree under this contract is to require MSI to repair or replace, at MSI'S option, any equipment which is non-operational. Some states do not allow the exclusion or limitation of consequential or incidental damages, or a limitation on the duration of implied warranties, so the above limitations or exclusion may not apply to you. The warranty gives you specific legal rights and you may also have other rights which may vary from state to state. If required by law, MSI will procure all permits required by local law and will provide certificate of workman's compensation upon request.

STANDARD SALES CONTRACT page 2 of 2, ADDITIONAL TERMS & CONDITIONS

1. DELAY IN INSTALLATION MSI shall not be liable for any damage or loss sustained by Buyer as a result of delay in installation of equipment, equipment failure, or for interruption of service due to electric failure, strikes, walk-outs, war, acts of God, or other causes, including MSI'S negligence in the performance of this contract. The estimated date work is to be substantially completed is not a definite completion date and time is not of the essence. If the security alarm system is to be monitored at the Central Station, MSI will make every reasonable attempt to activate the monitoring service within 24hrs of demonstration.

2. TESTING OF SECURITY SYSTEM: The parties hereto agree that the security equipment, once demonstrated on its usability, is in the exclusive possession and control of the Buyer, and it is Buyer 's sole responsibility to test the operation of the security equipment as recommended by the manufacturer, or at a minimum monthly, and to notify immediately MSI if any equipment is in need of service or repair. MSI shall not be required to service the security equipment unless it has received notice from Buyer, and upon such notice, and provided Buyer is not in default of this agreement, MSI shall during the warranty period service the security equipment to the best of its ability within 48 hours, exclusive of Saturday, Sunday and legal holidays, during the business hours of 8 a.m. and 4 p.m. Buyer agrees to test and inspect the security equipment immediately upon completion of installation and to advise MSI in writing within three days after installation of any defect, error or omission in the security equipment. In the event Buyer complies with the terms of this agreement and MSI fails to repair the security equipment within 48 hours after notice is given, excluding Saturdays, Sundays, and legal holidays, Buyer agrees to send notice that the security equipment is in need of repair to MSI, in writing, by certified or registered mail, return receipt requested. In any lawsuit between the parties in which the condition or operation of the security equipment is in issue, the Buyer shall be precluded from raising the issue that the security equipment was not operating unless the Buyer can produce a post office certified receipt or electronic receipt sent by MSI, evidencing that service was requested by Buyer.

3. ALTERATION OF PREMISES FOR INSTALLATION: MSI is authorized to make preparations such as drilling holes, driving nails, making attachments or doing any other thing necessary in MSI's sole discretion for the installation and service of the security equipment, and MSI shall not be responsible for any condition created thereby as a result of such installation, service, or removal of the security equipment, and Buyer represents that the owner of the premises, if other than Buyer, authorizes the installation of the security equipment under the terms of this agreement.

4. BUYER'S DUTY TO SUPPLY ELECTRIC, TELEPHONE, & INTERNET: Buyer agrees to furnish, at Buyer's expense, all 110 Volt AC power and electrical outlets and receptacles, telephone hook-ups, RJ31 Block or equivalent, internet connection, high speed broadband, cable or DSL and IP Address, as deemed necessary by MSI. You understand that converting your phone service to DSL, Voice over Internet (VoIP), or other high speed data lines can prevent alarm signal transmission and telephone line seizure. You understand that interruptions of communication services will prevent alarm signals transmission.

5. BUYER'S RESPONSIBILITIES: Buyer is solely responsible for any false alarm fines, permit fees and any other municipal assessments related to the security equipment and shall promptly on demand reimburse and indemnify MSI for any such expenses. Should MSI be required by existing or hereinafter enacted law to perform any service or furnish any material not specifically covered by the terms of this agreement Buyer agrees to pay MSI for such service or material. Buyer or others should not tamper with, disturb, injure, remove, relocate, or interfere with Security System or allow anyone else to do so. Your account is protected by a password for your privacy and security. You need to prevent unauthorized access to your account and personal information by selecting and protecting your password appropriately and limiting such access to your phone, computer, tablet and browser by signing off after you have finished accessing your security system and/or account information.

6. MONITORING SERVICES NOT INCLUDED: Customer understands that this Agreement does not cover monitoring services for the Security System at any time. If Customer requires or desires monitoring services, such services will be the subject of a separate or additional agreement with additional compensation to MSI. Any disputes related to MSI 's monitoring of the Security Systems will be governed by the monitoring agreement

7. MANAGE/DELETE PROGRAMMING: Upon termination of this agreement MSI shall be permitted to remotely or at the premise delete programming and MSI shall not be required to service the Security System, and may order the termination of any central station alarm monitoring or other services, and Customer shall remain liable for all payments called for herein for the remaining balance of the agreement term.

8. INDEMNITY/WAIVER OF SUBROGATION RIGHTS: MSI agrees to perform their duties in a professional competent manner and agrees to correct and/or repair any damage caused by MSI. Buyer agrees to and shall indemnify and hold harmless MSI, its employees, agents and subcontractors, from and against all claims, lawsuits, including those brought by third parties or Buyer, including reasonable attorneys' fees and losses asserted against and alleged to be caused by MSI's performance, negligent performance, or failure to perform any obligation. Parties agree that there are no third party beneficiaries of this contract. Buyer on its behalf and any insurance carrier waives any right of subrogation Buyer's insurance carrier may otherwise have against MSI or MSI's subcontractors arising out of this agreement or the relation of the parties hereto. Buyer shall not be permitted to assign this agreement without written consent of MSI. MSI shall have the right to assign this contract and shall be relieved of any obligations created herein upon such assignment.

9. EXCULPATORY CLAUSE: MSI and Buyer agree that the security equipment, once installed, becomes the personal property of the Buyer; that the equipment is not permanently attached to the realty and shall not be deemed fixtures. Buyer agrees that MSI is not an insurer and no insurance coverage is offered herein. The security equipment is designed to reduce certain risks of loss, though MSI does not guarantee that no loss will occur. MSI is not assuming liability, and, therefore shall not be liable to Buyer for any loss, personal injury or property damage sustained by Buyer as a result of burglary, theft, hold-up, fire, equipment failure, smoke, or any other cause, whatsoever, regardless of whether or not such loss or damage was caused by or contributed to by MSI 'S negligent performance, failure to perform any obligation or strict products liability. Buyer releases MSI from any claims for contribution, indemnity or subrogation.

10. WE ARE NOT AN INSURER: We are not an insurer and you will obtain from an insurer any insurance you desire. The amount you pay us is based upon the services we perform and the limited liability we assume under this contract and is unrelated to the value of your property or the property of others located in your premises. In the event of any loss or injury to any person or property, you agree to look exclusively to your insurer to recover damages. You wave all subrogation and other rights of recovery against us that any insurer or other person may have as a result of paying any claim for loss or injury to any other person.

11. PROTECTION OF PERSONAL INFORMATION: As a leader in security, MSI understands the importance of securing your personal information. MSI has taken appropriate security measures – including administrative, technical and physical measures - to maintain and protect your personal information against loss, theft, misuse, unauthorized access, disclosure, and destruction. We bind our employees to observe and protect your personal information. Despite many advances in information security technology and procedures, however, no commercially deployed method of information transfer over the Internet, through third party application solutions or electronic data storage is known to be 100% secure. As a result, while we do strive to use commercially reasonable means to protect your Personal Information, we cannot guarantee the absolute security of that information during its transmission, its storage in our systems, or use in third party application solutions.

12. LIMITATION OF LIABILITY: Buyer agrees that should there arise any liability on the part of MSI as a result of MSI 'S negligent performance to any degree, failure to perform any of MSI 'S obligations, equipment failure or strict products liability, that MSI 'S liability shall be limited to the sum of $1500.00 or 5% of the sales price, whichever is greater. If Buyer wishes to increase MSI 'S maximum amount of MSI'S limitation of liability, Buyer may, as a matter of right, at any time, by entering into a supplemental contract, obtain a higher limit by paying an annual payment consonant with MSI 'S increased liability. This shall not be construed as insurance coverage.

13. LIQUIDATED DAMAGES: The parties agree that in the event Buyer suffers damages as a result of MSI's negligence to any degree or failure to perform any obligation, it would be impractical and extremely difficult to anticipate or fix actual damages. Therefore, Buyer agrees that should there arise any liability on the part of MSI, Buyer agrees to accept $1500.00, or the amount provided for in paragraph 12, whichever is greater, as liquidated damages in complete satisfaction and MSI is discharged and released of any further responsibility or liability.

14. LEGAL ACTION: In the event MSI institutes legal action to recover any amounts owed by Buyer to MSI hereunder, the parties agree that the amount to be recovered, and any judgment to be entered, shall include interest at the rate of 1 1/2% per month from the date payment is due. Should MSI prevail in any litigation between the parties Buyer shall pay MSI'S legal fees. The parties waive trial by jury in any action between them. In any action commenced by MSI against Buyer, Buyer shall not be permitted to interpose any counterclaim. Any action by Buyer against MSI must be commenced within one year of the accrual of the cause of action or shall be barred. All actions or proceedings against MSI must be based on the provisions of this agreement. Any other action that Buyer may have or bring against MSI in respect to other services rendered in connection with this agreement shall be deemed to have merged in and be restricted to the terms and conditions of this agreement.

15. MSI'S RIGHT TO SUBCONTRACT SPECIAL SERVICES: Buyer agrees that MSI is authorized and permitted to subcontract any services to be provided by MSI to third parties who may be independent of MSI, and that MSI shall not be liable for any loss or damage sustained by Buyer by reason of fire, theft, burglary or any other cause whatsoever caused by the negligence of third parties and Buyer appoints MSI to act as Buyer's agent with respect to such third parties, except that MSI shall not obligate Buyer to make any payments to such third parties. MSI shall be permitted to assign this contract and upon such assignment shall have no further obligation hereunder.

Buyer acknowledges that this agreement, and particularly those paragraphs relating to MSI's disclaimer of warranties, exemption from liability, even for its negligence, limitation of liability and indemnification, inure to the benefit of and are applicable to any assignee, subcontractors and communication centers of MSI.

16. NON-SOLICITATION: Buyer agrees that it will not solicit for employment for itself, or any other entity, or employ, in any capacity, any employee of MSI assigned by MSI to perform any service for or on behalf of Buyer for a period of two years after MSI has completed providing service to Buyer. In the event of Buyer's violation of this provision, in addition to injunctive relief, MSI shall recover from Buyer an amount equal to such employee's salary based upon the average three months preceding employee's termination of employment with MSI, times twelve, together with MSI's counsel and expert witness fees.

17. SECURITY INTEREST/COLLATERAL: To secure Buyer's obligations under this agreement Buyer grants MSI a security interest in the security equipment installed by MSI and MSI is authorized to file a financing statement.

18. FULL AGREEMENT/SEVERABILITY: This agreement constitutes the full understanding of the parties and may not be amended or modified or canceled except in writing signed by both parties, except that in the event MSI issues a UL certificate to Buyer, MSI will comply with Underwriters Laboratory Inc. or any local law requirements regarding items of protection provided for in this agreement. This contract shall be governed by the laws of the State of Wisconsin. Should any provision of this agreement be deemed void, all other provisions will remain in effect. **END OF PAGE 2 TERMS & CONDITIONS**

KEYSCAN

ACCESS CONTROL SYSTEMS

A DIV. OF KEYSCAN INC.

TECHNICAL FEATURES

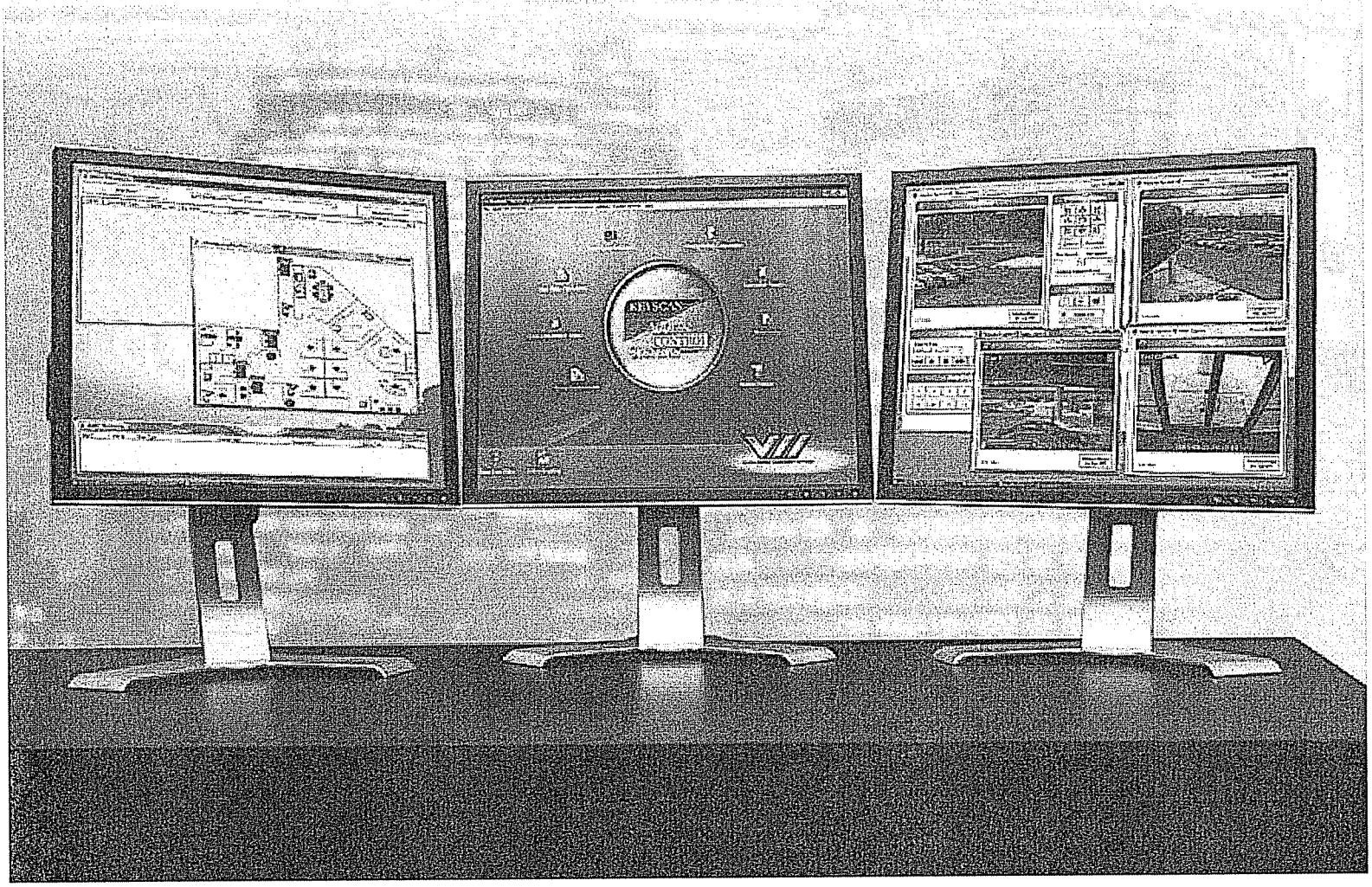
SYSTEM VII

ACCESS CONTROL MANAGEMENT SOFTWARE

KEYSCAN'S SYSTEM VII - REDEFINES ACCESS CONTROL

It is the most versatile access control management software in the security industry. Loaded with all the features and functions that the industry has come to expect from Keyscan. Packaged with Keyscan's renowned reliability to deliver an access control solution that you can depend on 365 days a year.

Whether protecting just a few doors or hundreds of doors, System VII packages ease of use with unprecedented integration and expansion capability.



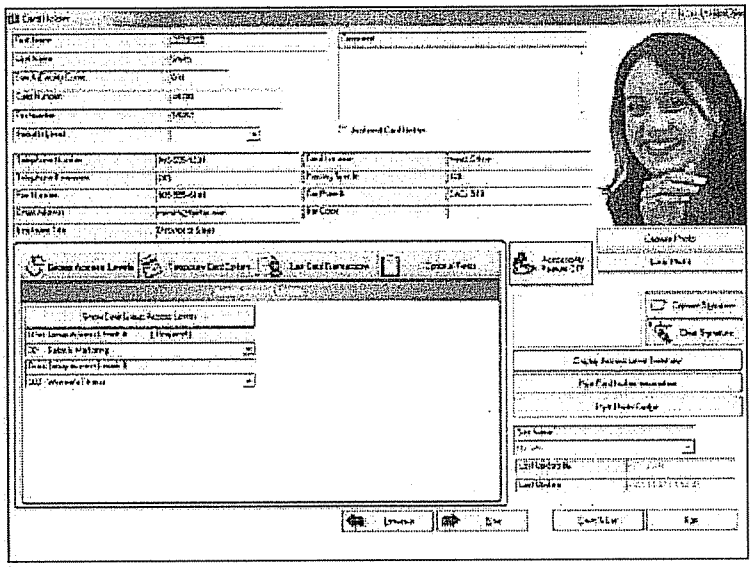
Innovation has always been the cornerstone for Keyscan. Our dedicated and experienced hardware and software engineers have developed an access control solution founded on quality and reliability. Value is built into every feature and function of System VII, delivering an access solution that is guaranteed to meet end-user needs today and well into the future regardless of the size of the organization.

New York, Toronto, Tokyo and London, whether protecting a single site location or an organization with offices worldwide you can count on Keyscan to deliver world class access control.

SYSTEM VII - SOPHISTICATION WITHOUT COMPLICATION

System VII delivers all the features and functions expected in a premium access control solution but without the complication. Keyscan is known for developing feature rich access control management software that is logical, with ease of use considered for both the end-user and the installing technician.

Seasoned installers, novice users and corporate security directors all rave about the simple yet powerful Keyscan access control management software.



SINGLE PAGE INTERFACE

- System VII's Card holder screen provides the end-user with a single page interface for enrolling and assigning access levels. System VII delivers logically placed information for easy reference and entry.

SINGLE BUTTON HANDICAP FEATURE

- Address the concerns of individuals that may need more time to pass through doors. Simply click the single button handicap feature to apply the handicap timer.

CARD IMPORT FEATURE

- Import card holder information from an existing database or excel file and save on data entry. A CSV file formatted for Keyscan's data structure is all that is required to leverage this efficiency adding tool. Imports may be scheduled to update changes from a human resources database. Allowing end-users to simply manage one database.

LAST CARD TRANSACTIONS

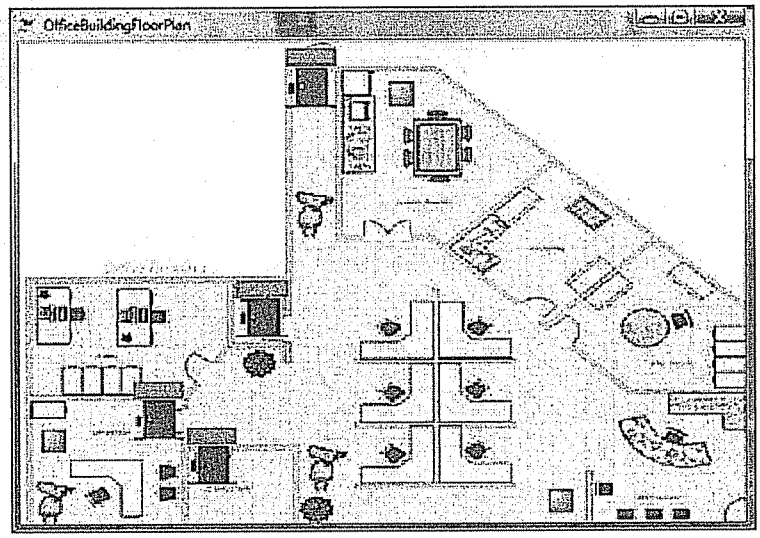
- With System VII, open a card holder file and instantly view the card holders last transactions. A convenient tool to quickly determine if a card holder is in the facility, and where the credential was last used.

21 PERSONNEL FIELDS

- Users are provided 21 fields to record various personnel data such as first name, last name, department, parking spot and special comments. There are 10 completely user definable fields. All fields are searchable for report generation.

ACTIVE MAPPING (OPTION)

The System VII active mapping provides security personnel or system administrators with the extra tools to perform their jobs efficiently and effectively. Active mapping provides visual representation of active sites, with building floor layouts, and annunciates, real-time on screen, door status, alarm points, input status and much more.



- Call up live video straight from the Active map
- Visual alarm point notification
- View on-file photo identification for any entry point
- Manually lock or un-lock doors
- Arm or disarm inputs
- Map drill down functionality

SYSTEM VII
ACCESS CONTROL MANAGEMENT SOFTWARE

SYSTEM VII - INNOVATION. UNCOMPROMISED.

Microsoft Vista™ Ready

- **SQL Server 2005 Express Database**
  System VII provides the latest in database technology behind the Keyscan access control system. 4GB of database storage provides ample historical information for all but the largest installations.

- **Scheduled Database Backups with Email Notification**
  Automate database backups with System VII. Configure the day(s) and time for backups to occur and benefit from System VII generated email notifications.

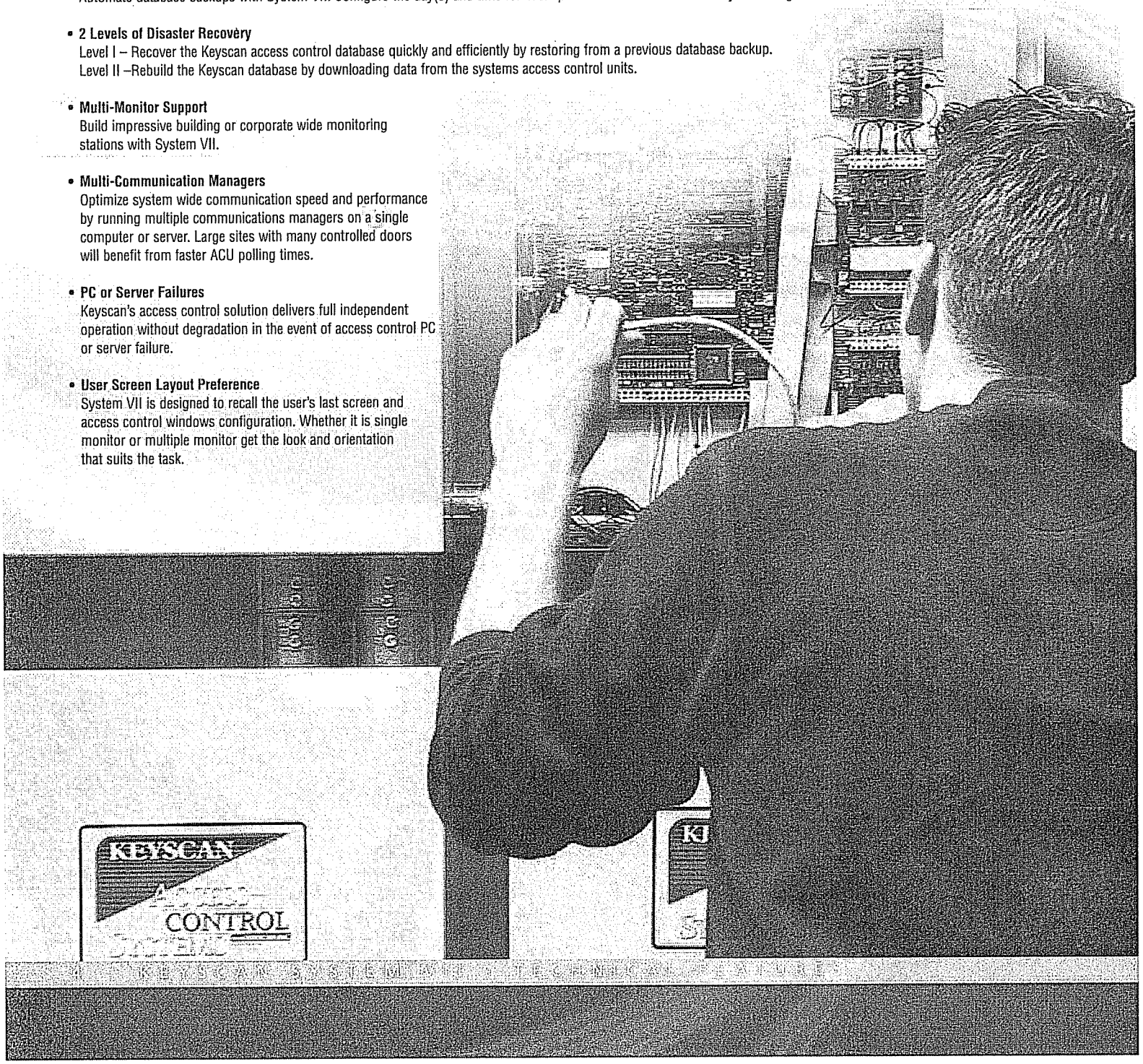
- **2 Levels of Disaster Recovery**
  Level I – Recover the Keyscan access control database quickly and efficiently by restoring from a previous database backup.
  Level II –Rebuild the Keyscan database by downloading data from the systems access control units.

- **Multi-Monitor Support**
  Build impressive building or corporate wide monitoring stations with System VII.

- **Multi-Communication Managers**
  Optimize system wide communication speed and performance by running multiple communications managers on a single computer or server. Large sites with many controlled doors will benefit from faster ACU polling times.

- **PC or Server Failures**
  Keyscan's access control solution delivers full independent operation without degradation in the event of access control PC or server failure.

- **User Screen Layout Preference**
  System VII is designed to recall the user's last screen and access control windows configuration. Whether it is single monitor or multiple monitor get the look and orientation that suits the task.



THE ENTERPRISE SOLUTION

SYSTEM VII – OPTIONAL FULL MICROSOFT SQL DATABASE

Keyscan has designed full SQL capability into the System VII access control management software. Ready when needed, System VII is equipped to support the largest corporate enterprise utilizing the latest in full SQL. Whether the corporation is running Microsoft SQL Workgroup, Standard or Enterprise, System VII has the database upgrade.

SYSTEM WIDE COMMUNICATION - RUNNING AS A SERVICE

System VII by default runs PC to panel communications as an application. For those organizations that require a true server based environment, System VII allows for communications to be installed as a service.

FACILITY LOCK DOWN

Protecting assets and people is serious business. The instant security is breached, institute a facility-wide lock down from any System VII client or reader.

FIRST PERSON IN

Utilize this feature to enforce supervisor or management presence on site before triggering a timezone. Ideal to ensure site protection for unscheduled closures, holidays or to enforce local health and safety requirements.

PRESENT 3

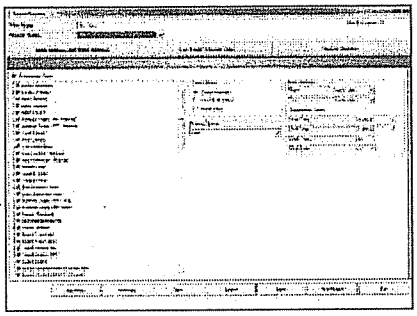
This reader based function allows authorized personnel to toggle timezones, lock & unlock doors for un-scheduled or temporary access or to arm or disarm various alarm inputs such as motion detectors etc.

PC SPECIFICATIONS

Faster processors and higher RAM provide better system performance. For large multi-site systems, please contact Keyscan for proper PC requirements. The following outlines minimum system requirements:

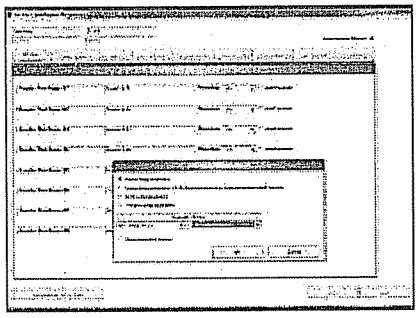
- Recommended Central Processing Unit: Pentium D or later
- Recommended RAM: 1 gigabyte or greater
- Hard Disk: Recommended 20 gigabytes of available space
- USB Port for Photo Badging and Signature Capture
- Com Port: 1 required if direct connect to access control units; 2 required if using CCTV control as well
- CD-ROM or DVD Drive
- Mouse or compatible pointing device
- Removable Media Storage device such as a CD/DVD Writer for database backup
- Network Interface card (NIC) with TCP/IP protocol and a valid active IP address (Database PC must be assigned a static IP Address)
- Graphic Card supporting 1024x768 or higher screen resolution
- Microsoft Internet Explorer 6.0 Service Pack 1 or later
- Microsoft .NET 2.0 Framework

KEYSCAN - UNMATCHED DEPENDABILITY & EXPANSION



MANAGEMENT AND TRANSACTION REPORTS

- Point and click error proof report generation on virtually any and all site activity
- Specify the day and time for the desired report and let System VII take care of the rest.
- Auto email important management reports with no user intervention required.
- Save frequently used report templates
- Ideal for statistical analysis or activity investigations.



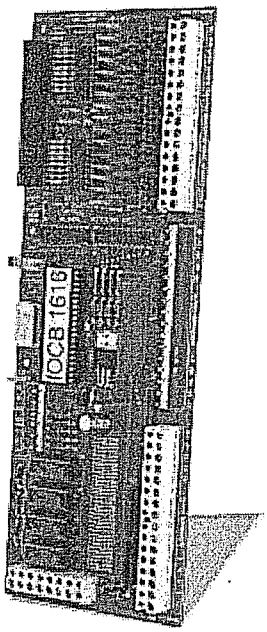
ANTI-PASSBACK

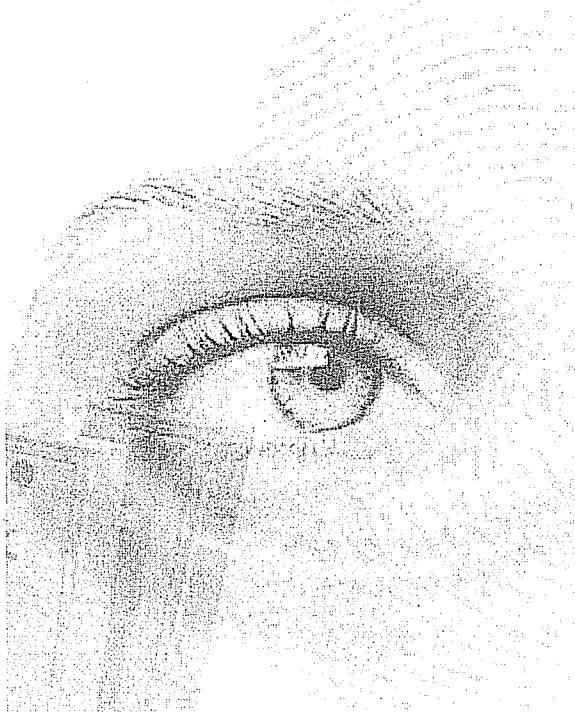
- Prevent security loopholes by implementing card Anti-Passback (APB)
- User selectable APB modes to suit a range of security levels
- Executive access provisions exempt specified groups from the APB restrictions

IOCB1616

- Integrate additional security and building components into the access control system with 16 inputs and 16 outputs per IOCB1616.
- Connect up to four IOCB1616 circuit boards per access control unit.
- Assign multiple input devices such as motion detectors, push buttons, or other sensing devices
- Trigger outputs such as CCTV cameras, alarms, lights, HVAC and other systems
- Schedule activation and de-activation of selected inputs or outputs

(IOCB1616 not supported on CA200)





KEYSCAN'S ACCESS CONTROL UNITS ACCEPT A WIDE VARIETY OF READERS AND READER TECHNOLOGIES.

K-PROX: accepts all 125 kHz HID cards and key fobs and is fully licensed by HID.

HID iClass: These 13.56 MHz smartcards and readers offer built-in encryption to deliver high security and integrity with the convenience of proximity. In addition to the access control application customers have the ability to use additional application areas on the card for other functions, such as cashless vending etc..

INDALA: Indala's 125 kHz proximity readers offer good security with very high reliability and longevity in all environments, including harsh outdoor environments.

HID 125 KHZ PROX SERIES: These are widely available in a variety of bit structures, and are competitively priced.

RF TRANSMITTERS: KEYSCAN's two button and four button transmitters provide excellent convenience combined with security for parking applications. KEYSCAN builds in additional proximity functionality, so that when the driver leaves the vehicle the transmitter fob functions as a prox card on all regular indoor readers. Available in HID and Indala's 125 kHz versions.

BIOMETRIC: there is a wide range of biometric devices available in today's ever-changing marketplace. Whether it's iris, hand or fingerprint , etc. – Keyscan is ready to deliver the highest in security.
Keyscan accepts all Biometric readers supporting the industry standard 26 bit Wiegand protocol.

SYSTEM VII SOFTWARE MODULES

K-BADGE - PHOTO BADGING MODULE

System VII Photo Badging Module adds an extra layer of security. This dual purpose optional Module verifies cardholder identities with on-file images and conveniently integrates photobadging within the access control system.

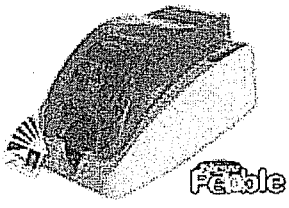
PHOTO VERIFICATION

- Trigger card holder images to appear on-screen upon card presentation
- Compare onscreen photo to actual cardholder
- Ideal for monitoring main access points where security is critical

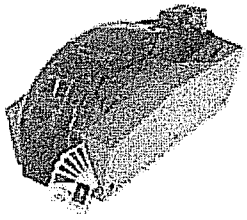
PHOTO BADGE EDITOR

- Create corporate badges
- Import Logos and backgrounds
- Define printable fields that reference the System VII database such as first name, last name, department and much more.
- Supports and prints industry standard barcode types
- Print ISO card badges with the Evolis Pebble or Dualys printer

VBP407
Single sided card printing



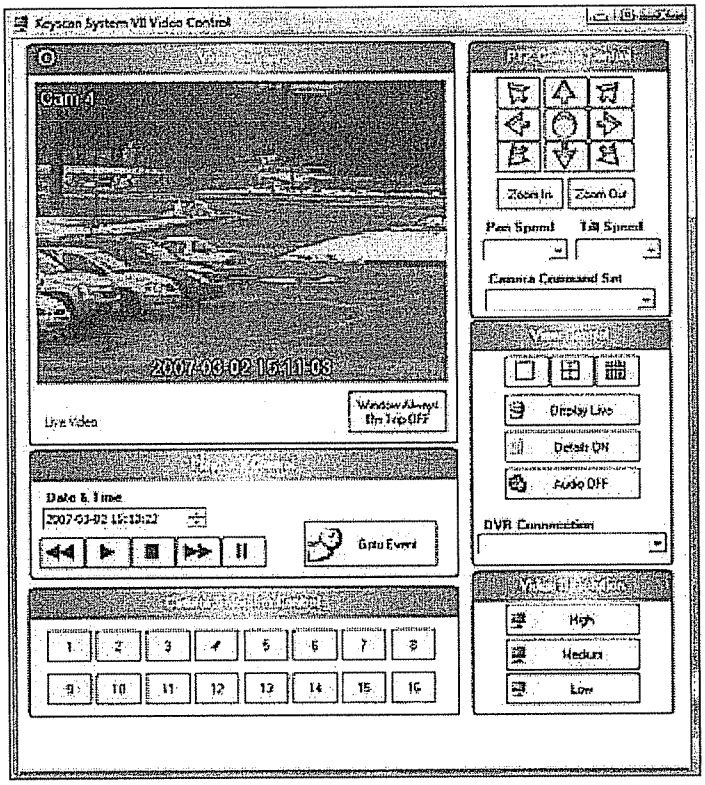
VBP407DBL
Double sided card printing



SYSTEM VII

SYSTEM VII - INTEGRATION SIMPLIFIED

K-TV – CCTV INTEGRATION MODULE



This software module provides the ultimate in integrated security. The incredibly user friendly System VII interface allows for seamless integration with access control and the CCTV platform. Whether the CCTV Platform is RS232, Web-enabled or DVR driven, System VII delivers purpose and function in one clean interface.

Alarm Video Retrieval - Click on an alarm event and immediately view the applicable video. Respond to Alarm events knowing what awaits you.

Live Video Feed - Run the live video feeds directly form System VII. Monitor the ongoing site activity at a glance. With the enhanced Multi-monitor functionality, have live video running on one monitor and the System VII running on another to deliver a true organization command centre.

Historical Video Retrieval - System VII allows you to call up old alarm events and instantly view the associated historical video. Search video by date and time. Simply select the camera and go.

Camera Alarm Presets - Alarm points can be set to trigger the System VII CCTV screen and force the closest camera to the alarm point using defined PTZ presets. Allowing instant viewing of an alarm point without requiring the operator to manually input PTZ commands.

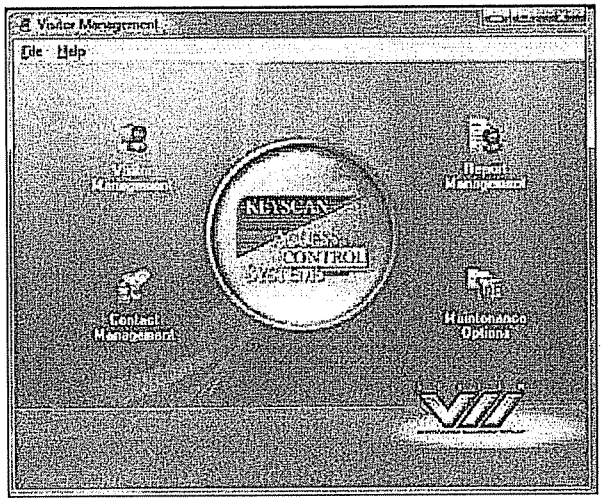
PTZ Control - While viewing live video the operator can choose to manually adjust the PTZ controls within the System VII access control management software. One Application – Total Control.

Multiple CCTV screens - Monitoring multiple cameras or possibly multiple DVRs is no problem for System VII's CCTV integration module. Enjoy the ability to view multiple System VII CCTV screens open simultaneously.

SUPPORTED DVR'S

Bosch Divar, Capture DVR, Dedicated Micros, Digital Watchdog, GE Interlogix, General Solutions, Honeywell Fusion, Open Eye, Pelco, and Toshiba digital video recorders. This list is subject to change without notice as DVR manufacturers may alter specifications. Contact Keyscan to ensure availability of current DVR driver.

K-VIS - VISITOR MANAGEMENT



Keyscan's optional System VII Visitor Module has a full range of automation features for registering and monitoring visitors.

- Schedule visits, track visitor status
- Retain historical records of visitors
- Built in email notification upon visitor arrival
- Interfaces with Keyscan's business card scanner (p/n BIZSCAN)
- Imports contact info directly from MS Outlook™
- Assigns visitor access rights

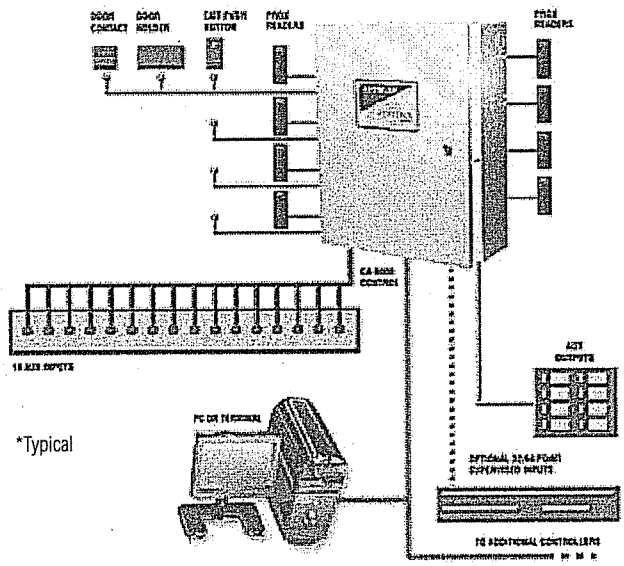
KEYSCAN ACCESS CONTROL UNITS

CONTROL UNIT FEATURES

- Stores up to 32,000 cards per site with no limit on number of sites
- Create up to 511 door groups and 511 elevator groups
- Retains last 6000 transactions in activity memory buffer
- Create up to 256 time zones, 512 different schedules, and 3 different holiday types
- Create up to 64 holiday dates
- Monitors door forced open and door held open alarm conditions at reader-controlled doors
- Monitors temporary cards with programmable date activation/expiration and/or usage countdown
- Unlimited remote sites via TCP/IP or dial-up modem
- Heavy-duty 10 amp relays for long life and reliability
- Large, well constructed enclosure with ample room for wiring and circuit boards
- Dual processors for enhanced system performance - panels operate during uploading and downloading of data
- Removable terminal blocks for easier installation and service
- Individual reader terminal blocks
- Mix or match access control units for optimum installation
- Simple jumper settings for most Wiegand protocols
- Programs daylight savings and standard time to change automatically
- 2 year warranty

KEYSCAN ACCESS CONTROL UNITS

Mix and match Keyscan's line-up of access control units to optimize system design and improved system installation. From a 2 door to a 200 plus door system Keyscan Access control is designed for total scalability, flexibility and reliability!



*Typical

CA 200 Access Control Unit	CA 4000 Access Control Unit	CA 8000 Access Control Unit	EC1000/2000 Elevator Control Unit
2 Readers or Keypads	4 Readers or Keypads	8 Readers or Keypads	1 Elevator cab up to 40 floors (EC1000)
8 Alarm inputs	16 Alarm inputs	16 Alarm inputs	2 Elevator cabs up to 16 floors each (EC2000) 2 readers or keypads for dual elevator systems
2 time-programmable outputs	8 time-programmable outputs	8 time-programmable outputs	Permits cardholder access to single or multiple floors
	Up to 64 programmable supervised inputs	Up to 64 programmable supervised inputs	*for additional floor control add OCB8's
	Up to 64 programmable supervised outputs	Up to 64 programmable supervised outputs	
Built-in power supply for Readers	Built-in power supply for Readers	Built-in power supply for Readers	Built-in power supply for Readers

COMPREHENSIVE FACTORY TRAINING AND WEBINARS

Keyscan offers comprehensive factory training courses and product exclusive webinars.
Visit www.keyscan.ca for specific factory training and webinar dates.

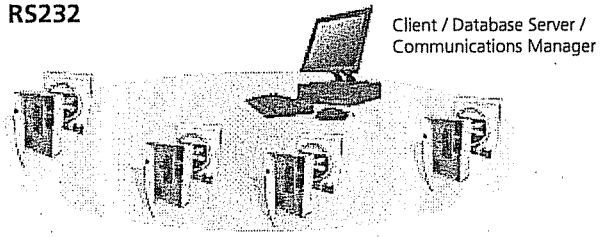
SYSTEM VU
ACCESS CONTROL MANAGEMENT SYSTEMS

SYSTEM VII - SCALABILITY, RELIABILITY, FLEXIBILITY.

Whether installing a base Keyscan System or an enterprise wide access control solution with hundreds of doors and multiple buildings or sites, Keyscan has the solution. Limitless expansion, based on a flexible panel communications platform delivers reliable, consistent performance. In the event of a network failure, rest assured that every Keyscan access control panel has the ability to run independently with no performance degradation or security compromises.

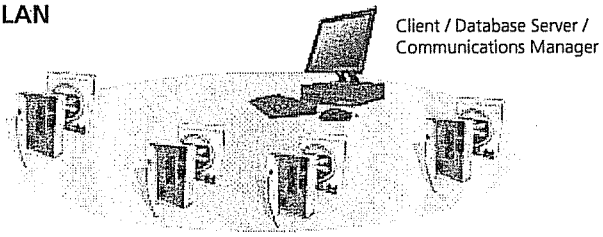
BASE KEYSCAN CONFIGURATION

RS232



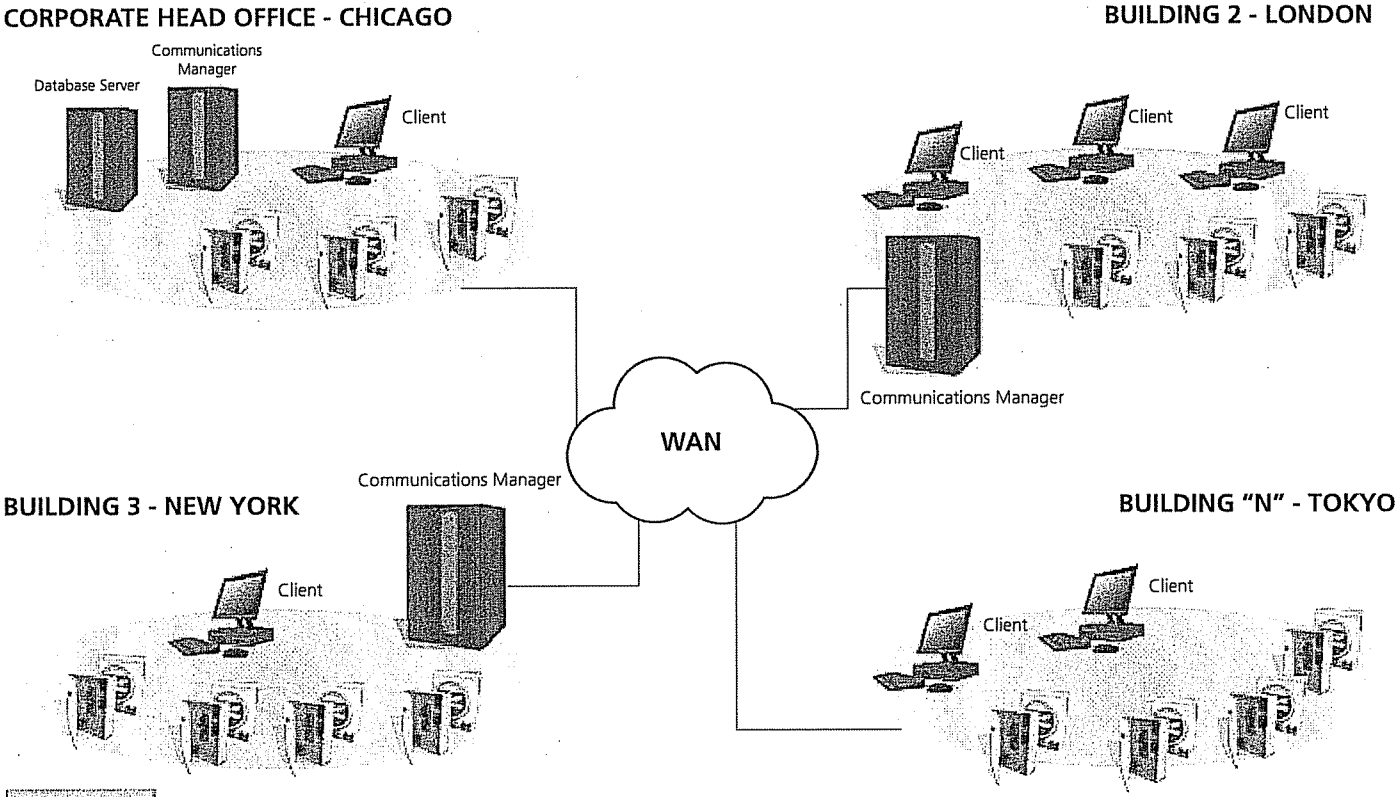
Using RS232
for PC to Panel Communication

LAN



Using TCP/IP
for PC to Panel Communication

ENTERPRISE KEYSCAN CONFIGURATION



DESIGN HELP

Knowledgeable staff are always ready to assist in the most involved system design.

COMMUNICATION OPTIONS

READER TO ACU
- Reader – 22 AWG 3 pair shielded: maximum 500 feet (152 m)
- Door Lock – 18 AWG 1 pair: maximum 500 feet (152 m) *
- Door Contact – 22 AWG 1 pair: maximum 1000 feet (304.8 m) *
- Request to Exit (RTE) – 22 AWG 3 pair: maximum 1000 feet (304.8) *

Optional communication extenders
*WIEEX extends distance by 4000' on twisted pair
*CWIEEX extends distance by 500' on Coax cable

ACU TO ACU
Option A - CB485
Parallel -22AWG / 4 conductor (CAT5) @ 56K baud: maximum 2000 feet (609m) between ACUs

Option B - CPB-10
Parallel or star – 22 AWG / 4 conductor shielded @19,200 baud: maximum 2000 feet (609 m)

ACU TO PC OPTIONS
1. Serial RS-232 – 22 AWG / 5 conductor shielded: maximum 100 feet (30.5 m)
2. Commex, RS-485, – 22 AWG 2 pair twisted CAT5: maximum 4000 feet (1219.2 m)
3. LAN/WAN (TCP/IP) NETCOM 2 or NETCOM 6 (encrypted)
4. Dial-up Modem
5. USB-SER – RS232/RS485 to USB Adaptor

OPERATING SYSTEMS

Microsoft Vista™ Business, Windows 2000™, Windows 2000 Server™, XP Professional™, Windows 2003 Server™

CONTROL UNIT TECHNICAL SPECIFICATIONS

OPERATING VOLTAGES
Input transformers: 16 VAC, 37-40 VA Class II
Internal Power Supply: 13.5 VDC @ 1.2 amps
Battery Backup: 12VDC 7 Amp/Hr.

OPERATING ENVIRONMENT
32° to 120° F. 0° to 49° C., Humidity: 0% to 90% R.H., non-condensing

RELAY OUTPUTS
Form C contacts, 10 Amps Max. 24 VAC or 32 VDC

COMMUNICATIONS
RS485 with CB-485
Dial-up with CB-485M
TCP/IP with NETCOM2 or CB485 with NETCOM2P
EIA/TIA 562 with CPB-10

READER TECHNOLOGIES
- Proximity
- Contactless Smart Card
- iClass
- Radio Frequency (wireless parking applications)
- Biometrics
- Bar Code
- Mag Stripe

ENCLOSURE
Single locking box CEMA / NEMA Type 1
Dimensions: 20 1/4" (51.4cm) H x 16 3/8" (41.6cm) W x 5 5/8" (14.3cm) D
Net Weight: 15.8 lbs (7.2kg)

ORDERING OPTIONS

SYSTEM VII
- Premium access control management Software complete with 2 concurrent clients

K-BADGE
- Photo badging & Verification license

K-TV
- CCTV module license to enable CCTV & Video control

K-CL
- Client license for one additional concurrent user

K-VIS
- Visitor management module for integration with System VII access control management software

K-CM
- Security Command module license

SYSTEM VII

OVERVIEW OF THE FEATURES IN EVERY KEYSCAN SYSTEM

PANEL NAME	CA 200	CA 4000	CA 8000	EC 1000	EC 2000
DOOR OUTPUT RELAYS	2	4	8	NA	NA
CARDS	32000	32000	32000	32000	32000
TRANSACTION FILE BUFFER	6000	6000	6000	6000	6000
TIME ZONES	256	256	256	256	256
TIME SCHEDULES	512	512	512	512	512
GROUP LEVELS	511	511	511	511	511
HOLIDAY DATES	64	64	64	64	64
VISITOR CARD	YES	YES	YES	YES	YES
READERS	2	4	8	1	2
KEYPADS	2	4	8	1	2
READER DOOR INPUTS	2	4	8	NA	NA
EXIT BUTTON INPUTS	2	4	8	NA	NA
ALARM OUTPUT RELAYS	2	4	8	NA	NA
AUXILIARY INPUTS	8	16	16	NA	NA
SUPERVISED INPUTS (OPTIONAL)	NA	32/64	32/64	NA	NA
IOCB 1616 SUPERVISED INPUT/OUTPUTS (OPTIONAL)	NA	16-64	16-64	NA	NA
POWER FAIL OUTPUT	YES	YES	YES	NA	NA
ELEVATOR CONTROL	NA	NA	NA	1x40 Flrs	2x16 Flrs
FLOOR MONITOR INPUTS	NA	NA	NA	YES	YES
CONTROL PROCESSORS	2	2	2	2	2
MANUAL RELAY OVERRIDE	YES	YES	YES	YES	YES
INDIVIDUAL TIME ZONES PER DOOR/READER	YES	YES	YES	NA	NA
INDIVIDUAL TIME ZONES PER FLOOR	NA	NA	NA	YES	YES
DIAL-UP MODEM ON REMOTE ALARM	YES	YES	YES	NA	NA
TIME ZONE CONTROL ON KEYPAD/READER USE	YES	YES	YES	NO	NO
MULTI SITE CARD WITH BATCH/FACILITY CODE	YES	YES	YES	YES	YES
SERIAL COMMUNICATION	YES	YES	YES	YES	YES
DIAL-UP COMMUNICATION (OPTIONAL)	YES	YES	YES	YES	YES
LAN/WAN COMMUNICATION (OPTIONAL)	YES	YES	YES	YES	YES
ADD ON SUPPRESSOR KIT REQUIRED	NO	NO	NO	NO	NO

KEYSCAN'S INTEGRATION AND DYNAMICS ALLOWS COMPANIES TO START WITH A SMALL SYSTEM AND GROW TO A FULL NETWORK OF SECURITY AND BUILDING MANAGEMENT.

Keyscan Inc.
901 Burns Street East, Whitby, ON Canada L1N 6A6
Phone: +1 905.430.7226 Fax: +1 905.430.7275
Toll Free: +1 888 KEYSCAN (539.7226)
Web Site: www.keyscan.ca

KEY 2007-03

Keyscan Inc. LR110441 Complies to:

UL STD 294 Access Control System Units
CSA STD C22.2 0.4-M1982 Bonding and Grounding of electrical equipment
CSA STD C22.2 205-M1983 Signal Equipment
CE

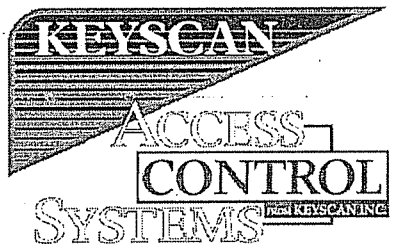
Information in this folder is intended for general use only. Keyscan Inc reserves the right to alter designs and specifications without notice or obligation. © Keyscan Inc (2007) Printed In Canada

KEYSCAN ACCESS CONTROL SYSTEMS

A DIV. OF KEYSCAN INC.

Feature Summary

KEYSCAN INC. SECURITY/AUTOMATION TECHNOLOGY
901 BURNS STREET EAST, WHITBY, ON L1N 6A6
TEL.: (905) 430-7226, FAX: (905) 430-7275, E-MAIL: CARDAC@KEYSCAN.CA (24-HOUR VOICE MAIL)



Microsoft Vista™ Compatible: System VII runs on Windows 2000 and XP pro and is completely Microsoft Vista (Business edition) ready.

Multiple Card Formats: The ability to read most competitors HID proprietary card formats. The ability to reader multiple formats and the same system at the same time. Hardware is available to show bit format of any existing HID card though LED read out. Current formats are 26, 29, 30, 32, 33, 34, 35, 36, 37 and 40. Additional formats may be added by request.

Scheduled and Manual E-Mailing of Reports: Reports can be created and scheduled as well as emailed as a .PDF without operator action.

History Report Formats: History reports are savable as a .PDF (Acrobat Reader) and .CSV (Excel).

Report on Deleted Card Holders: History reports may be run on cards or individuals that have been deleted from the cardholder database.

Microsoft SQL 2005 Express Database: All Photo badges pictures, photo badge templates, visitor management templates, active maps are stored in the database. The SQL Express database provides 4 Gigabytes of secure data retention.

Unlimited Sites per Database: Separate sites may be created within the database to restrict software users to access data for individual locations or to manage multiple customers from a central location or central station. Each site is capable of supporting 32,000 card holders.

Scheduled Backups: The system has the capability to perform a full backup on a schedule. The backup will occur without operator intervention provided the backup destination (path) is valid. An email can be sent if the scheduled backup fails.

Full Migration from System V to System VII: System V's MSDE database may be migrated to System VII using the System VII Database upgrade utility.

E-mail Alarms: Any alarm or card read may be emailed to any internet ready device. Database photos of individuals may be attached to the access granted or

access denied card reads. Up to six individual cards may be e-mailed to different addresses upon usage.

Dual Processors: All panels remain fully operational during data transfers.

Context Sensitive On-line Help: By pressing F1 on any screen, the applicable help screen is displayed.

Daylight Savings Time: Changes to the internal clock occur at 2:00am on the third Sunday on March and the first Sunday in November. The system does not rely on the computer to perform this change.

Not Used Since: A sort may be performed on the cardholder database to display only those cardholders, which have not used a card on any reader in the system since a user defined date.

Pre-Alarms: It is possible to trip a relay at half the duration of a propped open alarm to alert individuals that the door is open prior to an alarm being generated.

Timed Pulse: A one-time event may be activated to unlock any given door immediately and automatically relock the door at a selected time. Useful for deliveries and any other one-time events.

Card Number Readout: Batch and card numbers may easily be seen within the software when read on a card reader. Useful for cards or fobs where the number has worn off.

Easy Card Enrollment: An unknown card can be enrolled in the system avoiding the need to type the card and batch number. Present the card to a reader and view the online transactions then add the denied card to the system.

Three Holiday Types: One of three different time schedules may be applied to any given date. (E.g. Christmas, Thanksgiving, New Year's Day etc., the door does not unlock, the day before Thanksgiving, Christmas eve, President's Day etc., the door unlocks from 8 to 1 and on the Christmas party the door stays open until 11pm.)

Card Countdown: It is possible to assign a number of uses to a card. When the card has been used the given amount of times, it will automatically deactivate.

RF/Prox Transmitter & Receiver: Two and four button RF transmitters with unique batch and card numbers with 100-foot open field range. Devices will also operate standard HID or Indala readers. Card and RF numbers are encoded the same for one database entry. Multiple buttons are provided and may be addressed to separate receivers.

Multi-Monitor Support: Based on the configuration of the PC System VII can support up to 8 monitors simultaneously. Have the client main screen on one monitor, Active mapping displayed on the other and CCTV cameras displayed on yet another.

Multiple Screen Capability: Allows for one fully adjustable alarm window, three independent fully adjustable online transaction windows with corresponding photo display and multiple CCTV windows limited only by the chosen DVR capabilities.

Screen Configuration Preference Recall: When individuals login to System VII their preferred screen orientation will be displayed. The screen layout is saved each time they logout of System VII.

Unlimited Reader Capacity: The Keyscan system can be expanded to an unlimited number of readers by adding panels. (CA200, CA4000, CA8000, EC1000, EC2000)

High Resolution GUI: Optimized for 1024x768 resolution

Advanced Active Mapping (Add-on Module K-CM)**:** Allows for status an control of the system from an active (real-time) floor plan. Display Doors icons with full real-time status of lock and door contact status with cardholder image display option. Insert Aux inputs, Aux outputs, IOCB 1616 inputs and outputs icons as well as CCTV cameras. Active mapping allows for active map linking to support map drill down functionality. Permits filtering of transactions to individual windows. Ideal for monitored systems.

Scheduled Database Updates: New employees entered into an ODBC database (Human Resources) may automatically import into the Keyscan database to avoid dual entry.

Database Import: It is possible to import an existing database to populate the card holder information. Any ODBC (Open Database Connectivity) compliant database (e.g. Excel) is acceptable.

Handicapped Feature: The system has the capability to energize two relays with a 0.5 second delay on cards software selected as handicapped cards. The first relay is used to release the magnetic lock while the second relay operates a door motor. Non-handicapped cards will release the lock only. It is possible to give cards deemed as handicapped cards additional strike time and/or held open time.

First Person In: If a door is scheduled to unlock at a given time, it will not unlock until an authorized card is read (snow day feature). The feature may also be used to restrict employees who are not allowed in until an authorized person reads a card.

True Multi-client software (K-CL option)**:** All software comes with 2 concurrent user licenses. Software is expandable in single concurrent user license increments to an unlimited number of users.

Local Anti-passback with Hard, Soft Timed and Executive Modes: Using in and out readers, require that cardholders read properly whenever entering or exiting the building. The system will not allow two reads in the same direction one after the other from the same card (hard), or it will allow a second read but creates an alarm (soft), there cannot be two reads on the same reader during a period of time (timed). Executive mode means that certain access levels ignore the rules.

255 Site Codes/Unique Card Numbers: The System will accept up to 255 different site codes to facilitate the speed of card reorders. All Keyscan 36 bit cards are guaranteed unique. Duplicate batch/card numbers will not be sold.

Contactless Smartcards: Fully compatible with HID iClass smartcards and readers. Increases security of cards and adds read/write capabilities.

Panel Communications as a Service: The default installation of the communications manager continues to be as an application. With System VII the communications manager may be installed as a service.

Multiple Communication Managers on a Single PC: Benefit from running multiple communication managers off of a single PC. Extremely beneficial for optimizing system wide communication and polling speeds for systems that exceed 96 readers while reducing the number of PCs required.

Output Module (Optional module K-OM)**:** System VII will output all system activity to a file and path assigned by the end-user. Ideal for integration with other third party applications.

Lockdown Utility: Establish a facility lockdown in seconds initiated from any reader or System VII client.

Disaster Recovery: If the database is lost and there is not a good backup available, the software may be populated from the panels. You can retrieve the first initial of the first name, the first 8 characters of the last name, a;; the card data, all the access data, all the time zone data, all the panel data and the most recent 6000 events per panel.

Present 3: By presenting an authorized card at a selected reader with 3 consecutive passes you may either toggle a door lock or toggle a time zone. The benefit is added system flexibility since Present 3 allows invoking system controls using a card instead of having to be at a computer with a client module. Present 3 is ideal for locking/unlocking doors, initiating a facility lockdown, arming/disarming points, locking out other cardholders, implementing supervisory override, or controlling devices like lights or HVAC.

CCTV Integration (Add-on module): The system is able to integrate with Toshiba, Pelco DX8000, Bosh DiVAR, Dedicated Micros, Honeywell Fusion, Open Eye, Capture, GE Interlogix and Digital Watchdog. Basic control of the DVR may be accomplished from the Keyscan application. Actions on the access control system may cause one or more cameras to appear automatically in the Keyscan Software. Alarms in Keyscan may be immediately display video of the alarm occurrence in real time or history without the need to search the DVR.

Photo Badging (Add-on module): Complete photo badging capability. Photo-verification show anywhere from 1 to 11 photos of recent entries into one or more doors to confirm the individual is the cardholder of record.

Visitor Management (Add-on module): Replaces paper sign-in books with computer-based visitor management. Allows complete reporting. Prints custom designed visitor badges with visitor's photo (optional). Prints custom parking passes. Allows remote scheduling of visitors across LAN/WAN. Sends an e-mail to the employee when the visitor arrives.

KEYSCAN INC. SECURITY/AUTOMATION TECHNOLOGY
901 BURNS STREET EAST, WHITBY, ON L1N 6A6
TEL.: (905) 430-7226, FAX: (905) 430-7275, E-MAIL: CARDAC@KEYSCAN.CA (24-HOUR VOICE MAIL)

KEYSCAN

ACCESS CONTROL SYSTEMS

A KEYSCAN INC.

TECHNICAL FEATURES

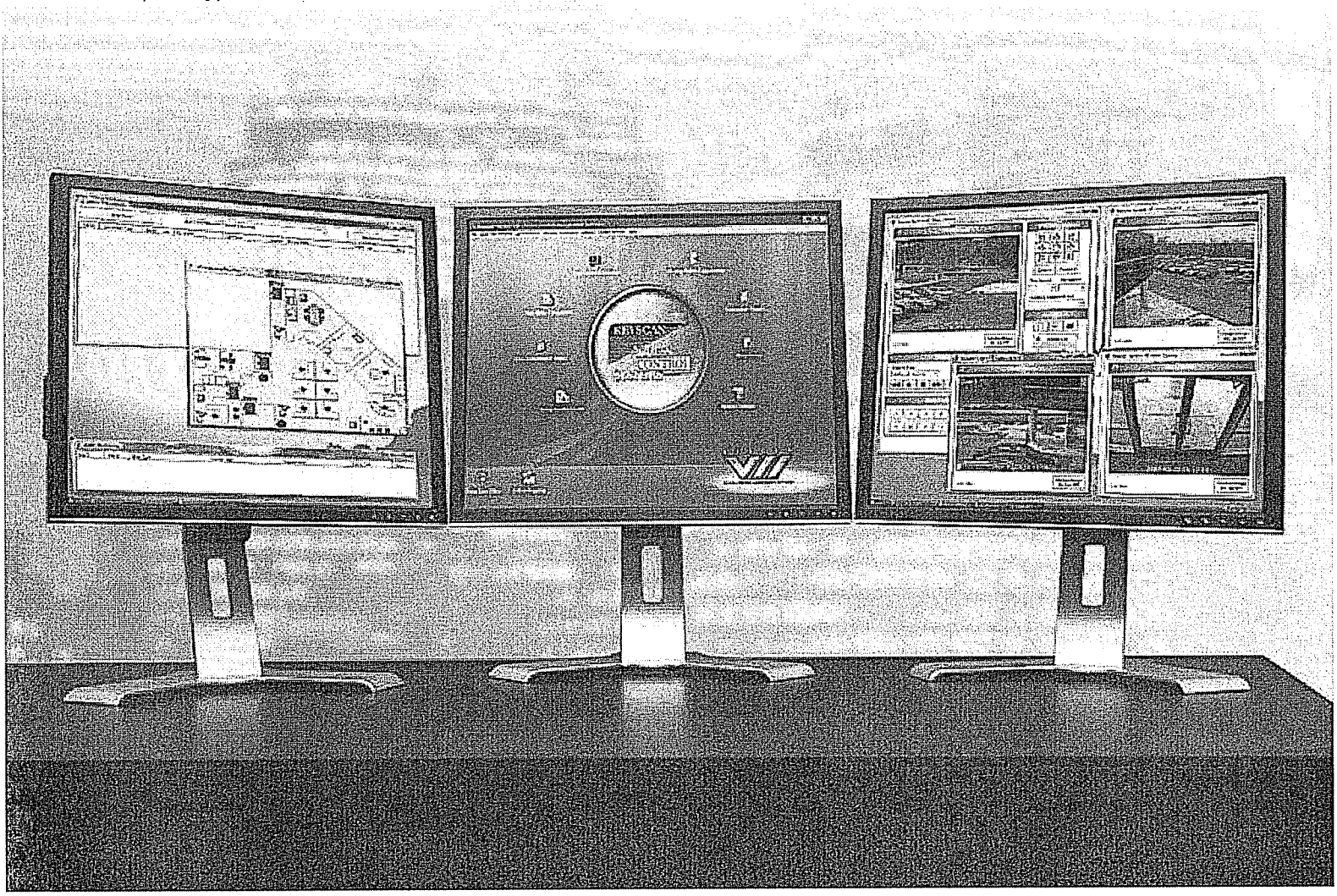
SYSTEM VII

ACCESS CONTROL MANAGEMENT SOFTWARE

KEYSCAN'S SYSTEM VII - REDEFINES ACCESS CONTROL

It is the most versatile access control management software in the security industry. Loaded with all the features and functions that the industry has come to expect from Keyscan. Packaged with Keyscan's renowned reliability to deliver an access control solution that you can depend on 365 days a year.

Whether protecting just a few doors or hundreds of doors, System VII packages ease of use with unprecedented integration and expansion capability.



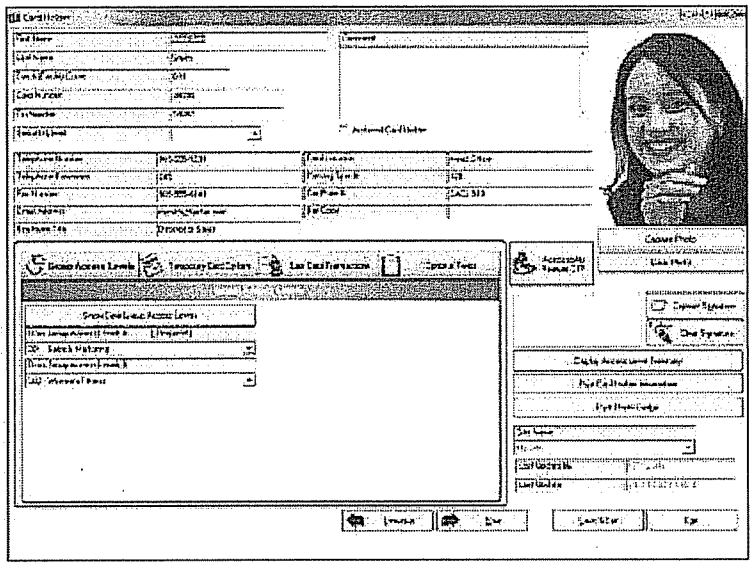
Innovation has always been the cornerstone for Keyscan. Our dedicated and experienced hardware and software engineers have developed an access control solution founded on quality and reliability. Value is built into every feature and function of System VII, delivering an access solution that is guaranteed to meet end-user needs today and well into the future regardless of the size of the organization.

New York, Toronto, Tokyo and London, whether protecting a single site location or an organization with offices worldwide you can count on Keyscan to deliver world class access control.

SYSTEM VII - SOPHISTICATION WITHOUT COMPLICATION

System VII delivers all the features and functions expected in a premium access control solution but without the complication. Keyscan is known for developing feature rich access control management software that is logical, with ease of use considered for both the end-user and the installing technician.

Seasoned installers, novice users and corporate security directors all rave about the simple yet powerful Keyscan access control management software.



SINGLE PAGE INTERFACE

- System VII's Card holder screen provides the end-user with a single page interface for enrolling and assigning access levels. System VII delivers logically placed information for easy reference and entry.

SINGLE BUTTON HANDICAP FEATURE

- Address the concerns of individuals that may need more time to pass through doors. Simply click the single button handicap feature to apply the handicap timer.

CARD IMPORT FEATURE

- Import card holder information from an existing database or excel file and save on data entry. A CSV file formatted for Keyscan's data structure is all that is required to leverage this efficiency adding tool. Imports may be scheduled to update changes from a human resources database. Allowing end-users to simply manage one database.

LAST CARD TRANSACTIONS

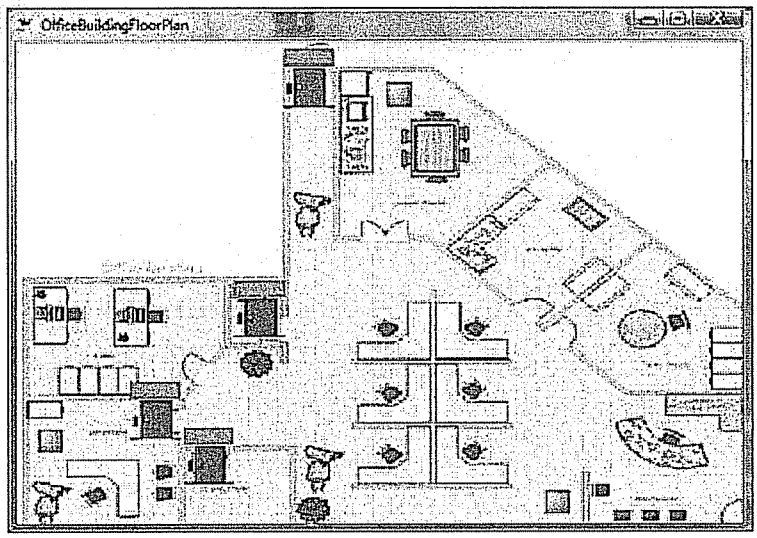
- With System VII, open a card holder file and instantly view the card holders last transactions. A convenient tool to quickly determine if a card holder is in the facility, and where the credential was last used.

21 PERSONNEL FIELDS

- Users are provided 21 fields to record various personnel data such as first name, last name, department, parking spot and special comments. There are 10 completely user definable fields. All fields are searchable for report generation.

ACTIVE MAPPING (OPTION)

The System VII active mapping provides security personnel or system administrators with the extra tools to perform their jobs efficiently and effectively. Active mapping provides visual representation of active sites, with building floor layouts, and annunciates, real-time on screen, door status, alarm points, input status and much more.



- Call up live video straight from the Active map
- Visual alarm point notification
- View on-file photo identification for any entry point
- Manually lock or un-lock doors
- Arm or disarm inputs
- Map drill down functionality

SYSTEM VII

CONTROL MANAGEMENT SOFTWARE

SYSTEM VII - INNOVATION, UNCOMPROMISED.

Microsoft Vista™ Ready

- **SQL Server 2005 Express Database**
  System VII provides the latest in database technology behind the Keyscan access control system. 4GB of database storage provides ample historical information for all but the largest installations.

- **Scheduled Database Backups with Email Notification**
  Automate database backups with System VII. Configure the day(s) and time for backups to occur and benefit from System VII generated email notifications.

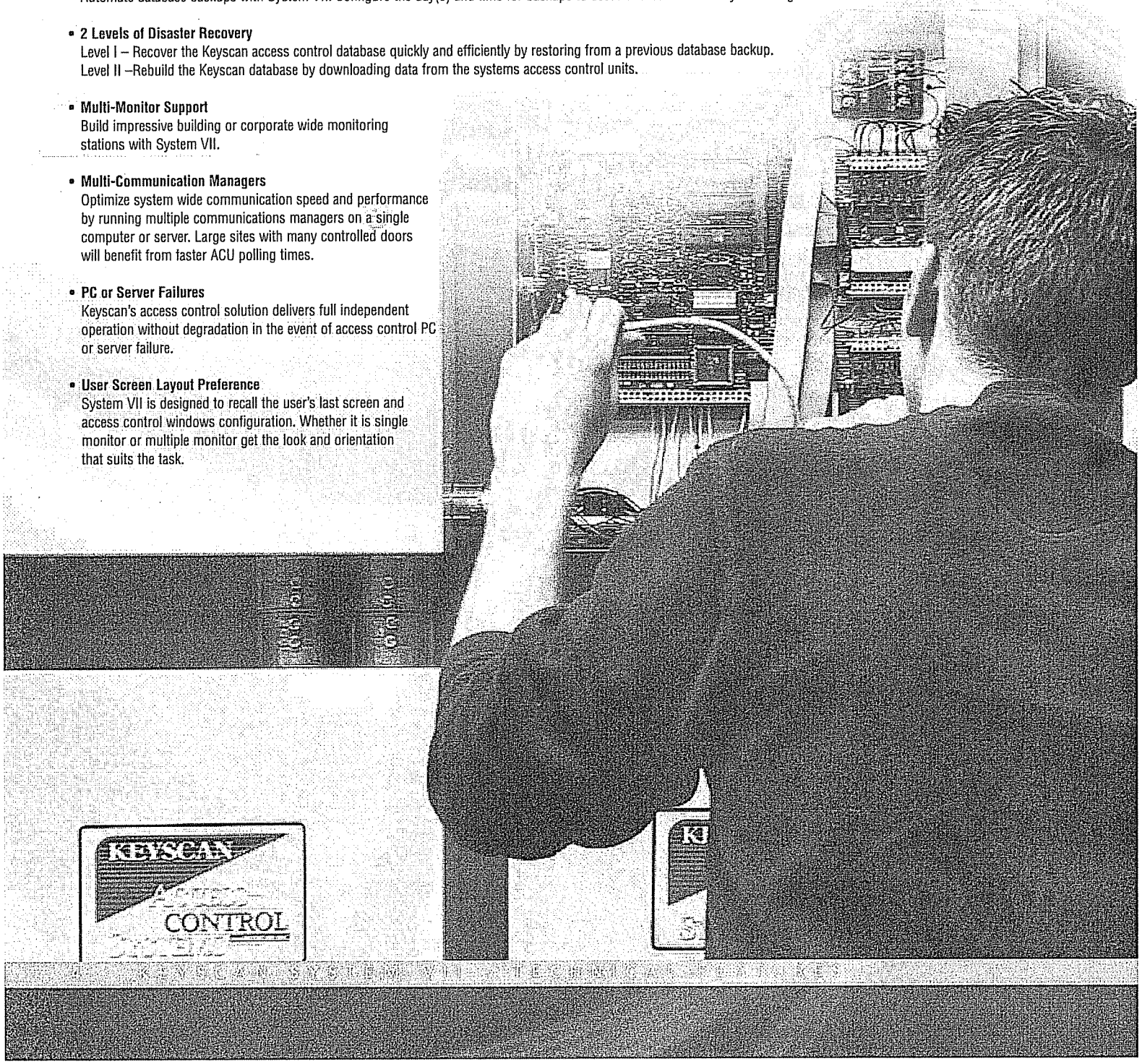
- **2 Levels of Disaster Recovery**
  Level I – Recover the Keyscan access control database quickly and efficiently by restoring from a previous database backup.
  Level II –Rebuild the Keyscan database by downloading data from the systems access control units.

- **Multi-Monitor Support**
  Build impressive building or corporate wide monitoring stations with System VII.

- **Multi-Communication Managers**
  Optimize system wide communication speed and performance by running multiple communications managers on a single computer or server. Large sites with many controlled doors will benefit from faster ACU polling times.

- **PC or Server Failures**
  Keyscan's access control solution delivers full independent operation without degradation in the event of access control PC or server failure.

- **User Screen Layout Preference**
  System VII is designed to recall the user's last screen and access control windows configuration. Whether it is single monitor or multiple monitor get the look and orientation that suits the task.



THE ENTERPRISE SOLUTION

SYSTEM VII – OPTIONAL FULL MICROSOFT SQL DATABASE

Keyscan has designed full SQL capability into the System VII access control management software. Ready when needed, System VII is equipped to support the largest corporate enterprise utilizing the latest in full SQL. Whether the corporation is running Microsoft SQL Workgroup, Standard or Enterprise, System VII has the database upgrade.

SYSTEM WIDE COMMUNICATION - RUNNING AS A SERVICE

System VII by default runs PC to panel communications as an application. For those organizations that require a true server based environment, System VII allows for communications to be installed as a service.

FACILITY LOCK DOWN

Protecting assets and people is serious business. The instant security is breached, institute a facility-wide lock down from any System VII client or reader.

FIRST PERSON IN

Utilize this feature to enforce supervisor or management presence on site before triggering a timezone. Ideal to ensure site protection for unscheduled closures, holidays or to enforce local health and safety requirements.

PRESENT 3

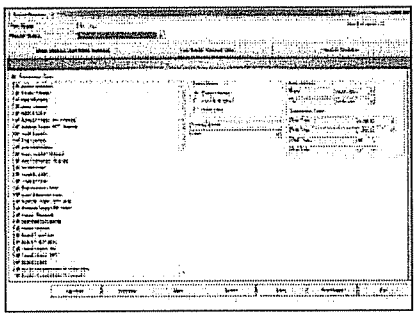
This reader based function allows authorized personnel to toggle timezones, lock & unlock doors for un-scheduled or temporary access or to arm or disarm various alarm inputs such as motion detectors etc.

PC SPECIFICATIONS

Faster processors and higher RAM provide better system performance. For large multi-site systems, please contact Keyscan for proper PC requirements. The following outlines minimum system requirements:

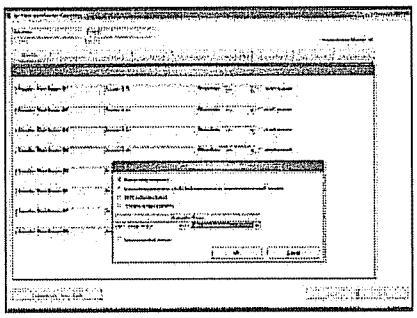
- Recommended Central Processing Unit: Pentium D or later
- Recommended RAM: 1 gigabyte or greater
- Hard Disk: Recommended 20 gigabytes of available space
- USB Port for Photo Badging and Signature Capture
- Com Port: 1 required if direct connect to access control units; 2 required if using CCTV control as well
- CD-ROM or DVD Drive
- Mouse or compatible pointing device
- Removable Media Storage device such as a CD/DVD Writer for database backup
- Network Interface card (NIC) with TCP/IP protocol and a valid active IP address (Database PC must be assigned a static IP Address)
- Graphic Card supporting 1024x768 or higher screen resolution
- Microsoft Internet Explorer 6.0 Service Pack 1 or later
- Microsoft .NET 2.0 Framework

KEYSCAN - UNMATCHED DEPENDABILITY & EXPANSION



MANAGEMENT AND TRANSACTION REPORTS

- Point and click error proof report generation on virtually any and all site activity
- Specify the day and time for the desired report and let System VII take care of the rest.
- Auto email important management reports with no user intervention required.
- Save frequently used report templates
- Ideal for statistical analysis or activity investigations.



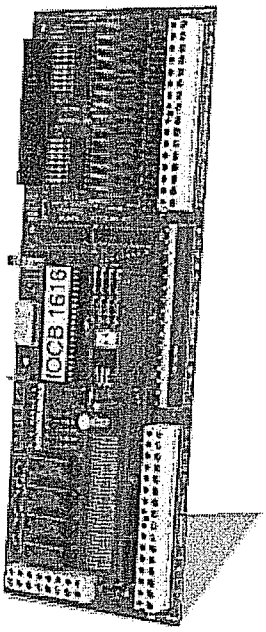
ANTI-PASSBACK

- Prevent security loopholes by implementing card Anti-Passback (APB)
- User selectable APB modes to suit a range of security levels
- Executive access provisions exempt specified groups from the APB restrictions

IOCB1616

- Integrate additional security and building components into the access control system with 16 inputs and 16 outputs per IOCB1616.
- Connect up to four IOCB1616 circuit boards per access control unit.
- Assign multiple input devices such as motion detectors, push buttons, or other sensing devices
- Trigger outputs such as CCTV cameras, alarms, lights, HVAC and other systems
- Schedule activation and de-activation of selected inputs or outputs

(IOCB1616 not supported on CA200)



KEYSCAN'S ACCESS CONTROL UNITS ACCEPT A WIDE VARIETY OF READERS AND READER TECHNOLOGIES.

K-PROX: accepts all 125 kHz HID cards and key fobs and is fully licensed by HID.

HID iClass: These 13.56 MHz smartcards and readers offer built-in encryption to deliver high security and integrity with the convenience of proximity. In addition to the access control application customers have the ability to use additional application areas on the card for other functions, such as cashless vending etc..

INDALA: Indala's 125 kHz proximity readers offer good security with very high reliability and longevity in all environments, including harsh outdoor environments.

HID 125 KHZ PROX SERIES: These are widely available in a variety of bit structures, and are competitively priced.

RF TRANSMITTERS: KEYSCAN's two button and four button transmitters provide excellent convenience combined with security for parking applications. KEYSCAN builds in additional proximity functionality, so that when the driver leaves the vehicle the transmitter fob functions as a prox card on all regular indoor readers. Available in HID and Indala's 125 kHz versions.

BIOMETRIC: there is a wide range of biometric devices available in today's ever-changing marketplace. Whether it's iris, hand or fingerprint , etc. – Keyscan is ready to deliver the highest in security.
Keyscan accepts all Biometric readers supporting the industry standard 26 bit Wiegand protocol.

SYSTEM VII SOFTWARE MODULES

K-BADGE - PHOTO BADGING MODULE

System VII Photo Badging Module adds an extra layer of security. This dual purpose optional Module verifies cardholder identities with on-file images and conveniently integrates photobadging within the access control system.

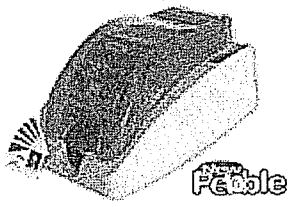
PHOTO VERIFICATION

- Trigger card holder images to appear on-screen upon card presentation
- Compare onscreen photo to actual cardholder
- Ideal for monitoring main access points where security is critical

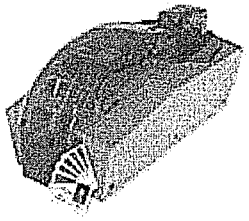
PHOTO BADGE EDITOR

- Create corporate badges
- Import Logos and backgrounds
- Define printable fields that reference the System VII database such as first name, last name, department and much more.
- Supports and prints industry standard barcode types
- Print ISO card badges with the Evolis Pebble or Dualys printer

VBP407
Single sided card printing



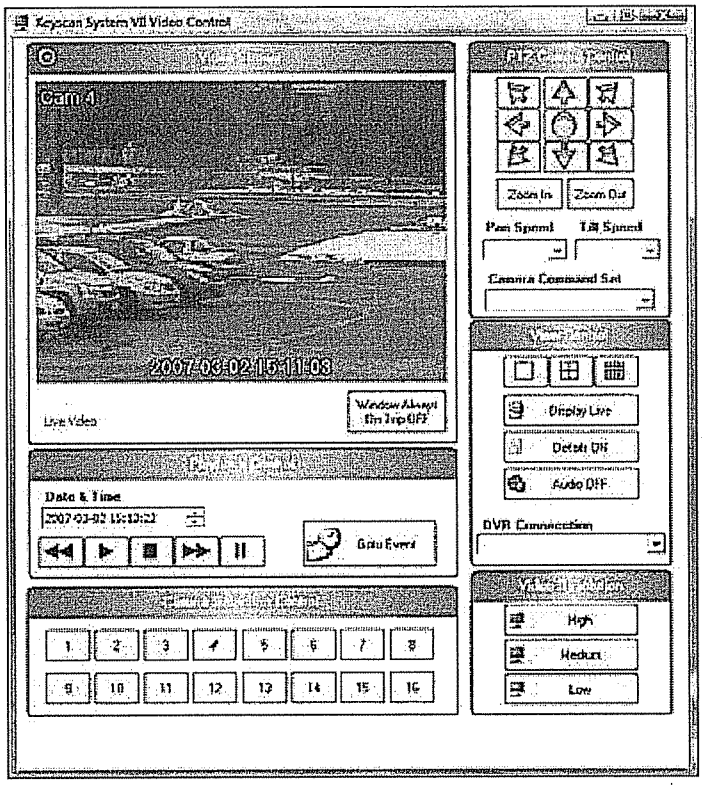
VBP407DBL
Double sided card printing



SYSTEM VII

SYSTEM VII - INTEGRATION SIMPLIFIED

K-TV – CCTV INTEGRATION MODULE



This software module provides the ultimate in integrated security. The incredibly user friendly System VII interface allows for seamless integration with access control and the CCTV platform. Whether the CCTV Platform is RS232, Web-enabled or DVR driven, System VII delivers purpose and function in one clean interface.

Alarm Video Retrieval - Click on an alarm event and immediately view the applicable video. Respond to Alarm events knowing what awaits you.

Live Video Feed - Run the live video feeds directly form System VII. Monitor the ongoing site activity at a glance. With the enhanced Multi-monitor functionality, have live video running on one monitor and the System VII running on another to deliver a true organization command centre.

Historical Video Retrieval - System VII allows you to call up old alarm events and instantly view the associated historical video. Search video by date and time. Simply select the camera and go.

Camera Alarm Presets - Alarm points can be set to trigger the System VII CCTV screen and force the closest camera to the alarm point using defined PTZ presets. Allowing instant viewing of an alarm point without requiring the operator to manually input PTZ commands.

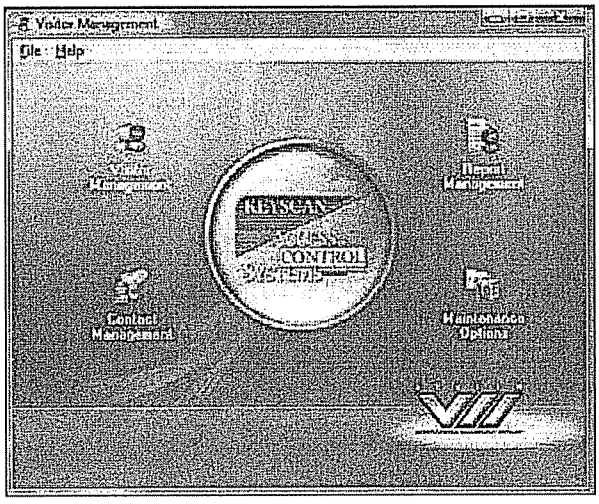
PTZ Control - While viewing live video the operator can choose to manually adjust the PTZ controls within the System VII access control management software. One Application – Total Control.

Multiple CCTV screens - Monitoring multiple cameras or possibly multiple DVRs is no problem for System VII's CCTV integration module. Enjoy the ability to view multiple System VII CCTV screens open simultaneously.

SUPPORTED DVR'S

Bosch Divar, Capture DVR, Dedicated Micros, Digital Watchdog, GE Interlogix, General Solutions, Honeywell Fusion, Open Eye, Pelco, and Toshiba digital video recorders. This list is subject to change without notice as DVR manufacturers may alter specifications. Contact Keyscan to ensure availability of current DVR driver.

K-VIS - VISITOR MANAGEMENT



Keyscan's optional System VII Visitor Module has a full range of automation features for registering and monitoring visitors.

- Schedule visits, track visitor status
- Retain historical records of visitors
- Built in email notification upon visitor arrival
- Interfaces with Keyscan's business card scanner (p/n BIZSCAN)
- Imports contact info directly from MS Outlook™
- Assigns visitor access rights

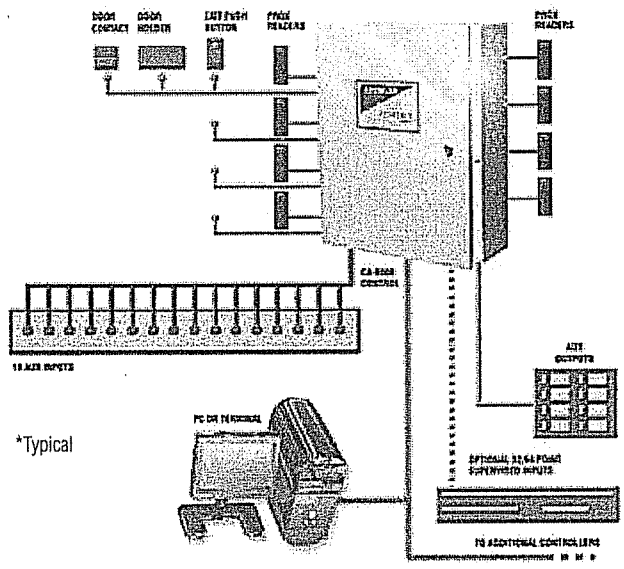
KEYSCAN ACCESS CONTROL UNITS

CONTROL UNIT FEATURES

- Stores up to 32,000 cards per site with no limit on number of sites
- Create up to 511 door groups and 511 elevator groups
- Retains last 6000 transactions in activity memory buffer
- Create up to 256 time zones, 512 different schedules, and 3 different holiday types
- Create up to 64 holiday dates
- Monitors door forced open and door held open alarm conditions at reader-controlled doors
- Monitors temporary cards with programmable date activation/expiration and/or usage countdown
- Unlimited remote sites via TCP/IP or dial-up modem
- Heavy-duty 10 amp relays for long life and reliability
- Large, well constructed enclosure with ample room for wiring and circuit boards
- Dual processors for enhanced system performance - panels operate during uploading and downloading of data
- Removable terminal blocks for easier installation and service
- Individual reader terminal blocks
- Mix or match access control units for optimum installation
- Simple jumper settings for most Wiegand protocols
- Programs daylight savings and standard time to change automatically
- 2 year warranty

KEYSCAN ACCESS CONTROL UNITS

Mix and match Keyscan's line-up of access control units to optimize system design and improved system installation. From a 2 door to a 200 plus door system Keyscan Access control is designed for total scalability, flexibility and reliability!



*Typical

CA 200 Access Control Unit	CA 4000 Access Control Unit	CA 8000 Access Control Unit	EC1000/2000 Elevator Control Unit
2 Readers or Keypads	4 Readers or Keypads	8 Readers or Keypads	1 Elevator cab up to 40 floors (EC1000)
8 Alarm inputs	16 Alarm inputs	16 Alarm inputs	2 Elevator cabs up to 16 floors each (EC2000) 2 readers or keypads for dual elevator systems
2 time-programmable outputs	8 time-programmable outputs	8 time-programmable outputs	Permits cardholder access to single or multiple floors
	Up to 64 programmable supervised inputs	Up to 64 programmable supervised inputs	*for additional floor control add OCB8's
	Up to 64 programmable supervised outputs	Up to 64 programmable supervised outputs	
Built-in power supply for Readers	Built-in power supply for Readers	Built-in power supply for Readers	Built-in power supply for Readers

COMPREHENSIVE FACTORY TRAINING AND WEBINARS

Keyscan offers comprehensive factory training courses and product exclusive webinars.
Visit www.keyscan.ca for specific factory training and webinar dates.

S Y S T E M

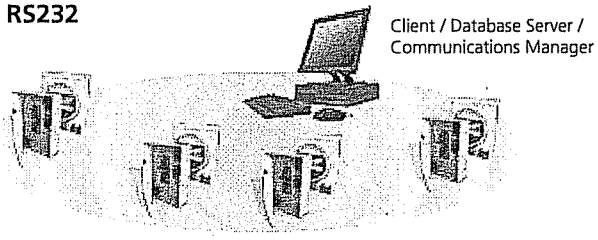
VISION IN ACCESS CONTROL MANAGEMENT SYSTEMS

SYSTEM VII - SCALABILITY, RELIABILITY, FLEXIBILITY.

Whether installing a base Keyscan System or an enterprise wide access control solution with hundreds of doors and multiple buildings or sites, Keyscan has the solution. Limitless expansion, based on a flexible panel communications platform delivers reliable, consistent performance. In the event of a network failure, rest assured that every Keyscan access control panel has the ability to run independently with no performance degradation or security compromises.

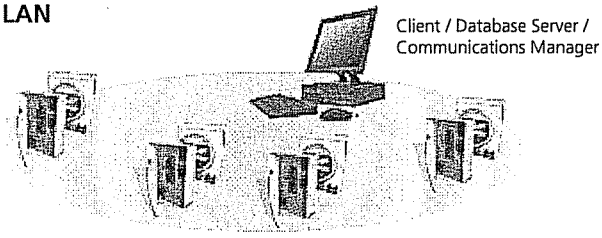
BASE KEYSCAN CONFIGURATION

RS232



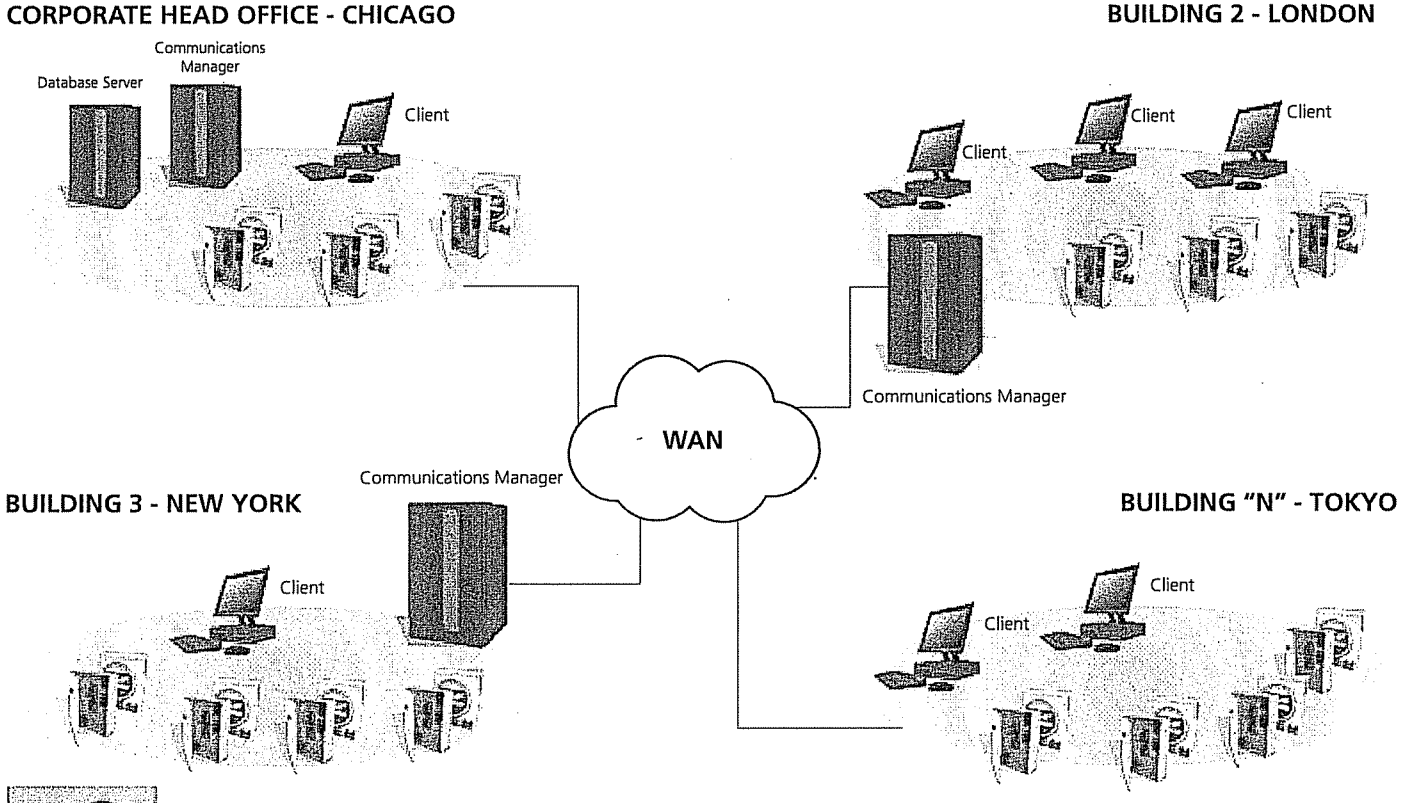
Using RS232
for PC to Panel Communication

LAN



Using TCP/IP
for PC to Panel Communication

ENTERPRISE KEYSCAN CONFIGURATION



DESIGN HELP

Knowledgeable staff are always ready to assist in the most involved system design.

COMMUNICATION OPTIONS

READER TO ACU
- Reader – 22 AWG 3 pair shielded: maximum 500 feet (152 m)
- Door Lock – 18 AWG 1 pair: maximum 500 feet (152 m) *
- Door Contact – 22 AWG 1 pair: maximum 1000 feet (304.8 m) *
- Request to Exit (RTE) – 22 AWG 3 pair: maximum 1000 feet (304.8) *

Optional communication extenders
*WIEEX extends distance by 4000' on twisted pair
*CWIEEX extends distance by 500' on Coax cable

ACU TO ACU
Option A - CB485
Parallel -22AWG / 4 conductor (CAT5) @ 56K baud: maximum 2000 feet (609m) between ACUs

Option B - CPB-10
Parallel or star – 22 AWG / 4 conductor shielded @19,200 baud: maximum 2000 feet (609 m)

ACU TO PC OPTIONS
1. Serial RS-232 – 22 AWG / 5 conductor shielded: maximum 100 feet (30.5 m)
2. Commex, RS-485, – 22 AWG 2 pair twisted CAT5: maximum 4000 feet (1219.2 m)
3. LAN/WAN (TCP/IP) NETCOM 2 or NETCOM 6 (encrypted)
4. Dial-up Modem
5. USB-SER – RS232/RS485 to USB Adaptor

OPERATING SYSTEMS

Microsoft Vista™ Business, Windows 2000™, Windows 2000 Server™, XP Professional™, Windows 2003 Server™

CONTROL UNIT TECHNICAL SPECIFICATIONS

OPERATING VOLTAGES
Input transformers: 16 VAC, 37-40 VA Class II
Internal Power Supply: 13.5 VDC @ 1.2 amps
Battery Backup: 12VDC 7 Amp/Hr.

OPERATING ENVIRONMENT
32° to 120° F. 0° to 49° C., Humidity: 0% to 90% R.H., non-condensing

RELAY OUTPUTS
Form C contacts, 10 Amps Max. 24 VAC or 32 VDC

COMMUNICATIONS
RS485 with CB-485
Dial-up with CB-485M
TCP/IP with NETCOM2 or CB485 with NETCOM2P
EIA/TIA 562 with CPB-10

READER TECHNOLOGIES
- Proximity
- Contactless Smart Card
- iClass
- Radio Frequency (wireless parking applications)
- Biometrics
- Bar Code
- Mag Stripe

ENCLOSURE
Single locking box CEMA / NEMA Type 1
Dimensions: 20 1/4" (51.4cm) H x 16 3/8" (41.6cm) W x 5 5/8" (14.3cm) D
Net Weight: 15.8 lbs (7.2kg)

ORDERING OPTIONS

SYSTEM VII
- Premium access control management Software complete with 2 concurrent clients

K-BADGE
- Photo badging & Verification license

K-TV
- CCTV module license to enable CCTV & Video control

K-CL
- Client license for one additional concurrent user

K-VIS
- Visitor management module for integration with System VII access control management software

K-CM
- Security Command module license

OVERVIEW OF THE FEATURES IN EVERY KEYSCAN SYSTEM

PANEL NAME	CA 200	CA 4000	CA 8000	EC 1000	EC 2000
DOOR OUTPUT RELAYS	2	4	8	NA	NA
CARDS	32000	32000	32000	32000	32000
TRANSACTION FILE BUFFER	6000	6000	6000	6000	6000
TIME ZONES	256	256	256	256	256
TIME SCHEDULES	512	512	512	512	512
GROUP LEVELS	511	511	511	511	511
HOLIDAY DATES	64	64	64	64	64
VISITOR CARD	YES	YES	YES	YES	YES
READERS	2	4	8	1	2
KEYPADS	2	4	8	1	2
READER DOOR INPUTS	2	4	8	NA	NA
EXIT BUTTON INPUTS	2	4	8	NA	NA
ALARM OUTPUT RELAYS	2	4	8	NA	NA
AUXILIARY INPUTS	8	16	16	NA	NA
SUPERVISED INPUTS (OPTIONAL)	NA	32/64	32/64	NA	NA
IOCB 1616 SUPERVISED INPUT/OUTPUTS (OPTIONAL)	NA	16-64	16-64	NA	NA
POWER FAIL OUTPUT	YES	YES	YES	NA	NA
ELEVATOR CONTROL	NA	NA	NA	1x40 Flrs	2x16 Flrs
FLOOR MONITOR INPUTS	NA	NA	NA	YES	YES
CONTROL PROCESSORS	2	2	2	2	2
MANUAL RELAY OVERRIDE	YES	YES	YES	YES	YES
INDIVIDUAL TIME ZONES PER DOOR/READER	YES	YES	YES	NA	NA
INDIVIDUAL TIME ZONES PER FLOOR	NA	NA	NA	YES	YES
DIAL-UP MODEM ON REMOTE ALARM	YES	YES	YES	NA	NA
TIME ZONE CONTROL ON KEYPAD/READER USE	YES	YES	YES	NO	NO
MULTI SITE CARD WITH BATCH/FACILITY CODE	YES	YES	YES	YES	YES
SERIAL COMMUNICATION	YES	YES	YES	YES	YES
DIAL-UP COMMUNICATION (OPTIONAL)	YES	YES	YES	YES	YES
LAN/WAN COMMUNICATION (OPTIONAL)	YES	YES	YES	YES	YES
ADD ON SUPPRESSOR KIT REQUIRED	NO	NO	NO	NO	NO

KEYSCAN'S INTEGRATION AND DYNAMICS ALLOWS COMPANIES TO START WITH A SMALL SYSTEM AND GROW TO A FULL NETWORK OF SECURITY AND BUILDING MANAGEMENT.

Keyscan Inc.
901 Burns Street East, Whitby, ON Canada L1N 6A6
Phone: +1 905.430.7226 Fax: +1 905.430.7275
Toll Free: +1 888-KEYSCAN (539.7226)
Web Site: www.keyscan.ca

KEY 2007-03

Keyscan Inc. LR110441 Complies to:

UL STD 294	Access Control System Units
CSA STD C22.2	04-M1982 Bonding and Grounding of electrical equipment
CSA STD C22.2	205-M1983 Signal Equipment
CE	

NRTL/C

Information in this folder is intended for general use only. Keyscan Inc reserves the right to alter designs and specifications without notice or obligation. © Keyscan Inc (2007) Printed In Canada

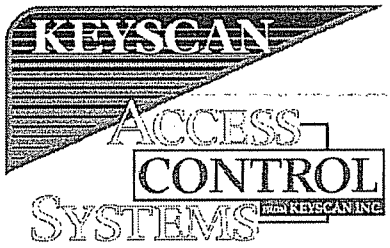
KEYSCAN ACCESS CONTROL SYSTEMS from KEYSCAN INC.

S Y S T E M

ACCESS CONTROL MANAGEMENT SOFTWARE

Feature Summary

KEYSCAN INC. SECURITY/AUTOMATION TECHNOLOGY
901 BURNS STREET EAST, WHITBY, ON L1N 6A6
TEL.: (905) 430-7226, FAX: (905) 430-7275, E-MAIL: CARDAC@KEYSCAN.CA (24-HOUR VOICE MAIL)



Microsoft Vista™ Compatible: System VII runs on Windows 2000 and XP pro and is completely Microsoft Vista (Business edition) ready.

Multiple Card Formats: The ability to read most competitors HID proprietary card formats. The ability to reader multiple formats and the same system at the same time. Hardware is available to show bit format of any existing HID card though LED read out. Current formats are 26, 29, 30, 32, 33, 34, 35, 36, 37 and 40. Additional formats may be added by request.

Scheduled and Manual E-Mailing of Reports: Reports can be created and scheduled as well as emailed as a .PDF without operator action.

History Report Formats: History reports are savable as a .PDF (Acrobat Reader) and .CSV (Excel).

Report on Deleted Card Holders: History reports may be run on cards or individuals that have been deleted from the cardholder database.

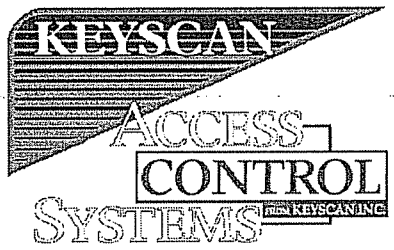
Microsoft SQL 2005 Express Database: All Photo badges pictures, photo badge templates, visitor management templates, active maps are stored in the database. The SQL Express database provides 4 Gigabytes of secure data retention.

Unlimited Sites per Database: Separate sites may be created within the database to restrict software users to access data for individual locations or to manage multiple customers from a central location or central station. Each site is capable of supporting 32,000 card holders.

Scheduled Backups: The system has the capability to perform a full backup on a schedule. The backup will occur without operator intervention provided the backup destination (path) is valid. An email can be sent if the scheduled backup fails.

Full Migration from System V to System VII: System V's MSDE database may be migrated to System VII using the System VII Database upgrade utility.

E-mail Alarms: Any alarm or card read may be emailed to any internet ready device. Database photos of individuals may be attached to the access granted or



access denied card reads. Up to six individual cards may be e-mailed to different addresses upon usage.

Dual Processors: All panels remain fully operational during data transfers.

Context Sensitive On-line Help: By pressing F1 on any screen, the applicable help screen is displayed.

Daylight Savings Time: Changes to the internal clock occur at 2:00am on the third Sunday on March and the first Sunday in November. The system does not rely on the computer to perform this change.

Not Used Since: A sort may be performed on the cardholder database to display only those cardholders, which have not used a card on any reader in the system since a user defined date.

Pre-Alarms: It is possible to trip a relay at half the duration of a propped open alarm to alert individuals that the door is open prior to an alarm being generated.

Timed Pulse: A one-time event may be activated to unlock any given door immediately and automatically relock the door at a selected time. Useful for deliveries and any other one-time events.

Card Number Readout: Batch and card numbers may easily be seen within the software when read on a card reader. Useful for cards or fobs where the number has worn off.

Easy Card Enrollment: An unknown card can be enrolled in the system avoiding the need to type the card and batch number. Present the card to a reader and view the online transactions then add the denied card to the system.

Three Holiday Types: One of three different time schedules may be applied to any given date. (E.g. Christmas, Thanksgiving, New Year's Day etc., the door does not unlock, the day before Thanksgiving, Christmas eve, President's Day etc., the door unlocks from 8 to 1 and on the Christmas party the door stays open until 11pm.)

Card Countdown: It is possible to assign a number of uses to a card. When the card has been used the given amount of times, it will automatically deactivate.

RF/Prox Transmitter & Receiver: Two and four button RF transmitters with unique batch and card numbers with 100-foot open field range. Devices will also operate standard HID or Indala readers. Card and RF numbers are encoded the same for one database entry. Multiple buttons are provided and may be addressed to separate receivers.

Multi-Monitor Support: Based on the configuration of the PC System VII can support up to 8 monitors simultaneously. Have the client main screen on one monitor, Active mapping displayed on the other and CCTV cameras displayed on yet another.

Multiple Screen Capability: Allows for one fully adjustable alarm window, three independent fully adjustable online transaction windows with corresponding photo display and multiple CCTV windows limited only by the chosen DVR capabilities.

Screen Configuration Preference Recall: When individuals login to System VII their preferred screen orientation will be displayed. The screen layout is saved each time they logout of System VII.

Unlimited Reader Capacity: The Keyscan system can be expanded to an unlimited number of readers by adding panels. (CA200, CA4000, CA8000, EC1000, EC2000)

High Resolution GUI: Optimized for 1024x768 resolution

Advanced Active Mapping (Add-on Module K-CM)**:** Allows for status an control of the system from an active (real-time) floor plan. Display Doors icons with full real-time status of lock and door contact status with cardholder image display option. Insert Aux inputs, Aux outputs, IOCB 1616 inputs and outputs icons as well as CCTV cameras. Active mapping allows for active map linking to support map drill down functionality. Permits filtering of transactions to individual windows. Ideal for monitored systems.

Scheduled Database Updates: New employees entered into an ODBC database (Human Resources) may automatically import into the Keyscan database to avoid dual entry.

Database Import: It is possible to import an existing database to populate the card holder information. Any ODBC (Open Database Connectivity) compliant database (e.g. Excel) is acceptable.

Handicapped Feature: The system has the capability to energize two relays with a 0.5 second delay on cards software selected as handicapped cards. The first relay is used to release the magnetic lock while the second relay operates a door motor. Non-handicapped cards will release the lock only. It is possible to give cards deemed as handicapped cards additional strike time and/or held open time.

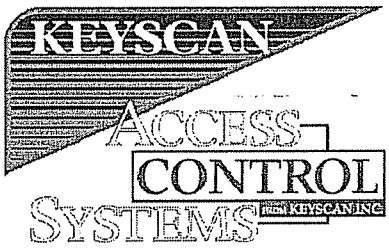
First Person In: If a door is scheduled to unlock at a given time, it will not unlock until an authorized card is read (snow day feature). The feature may also be used to restrict employees who are not allowed in until an authorized person reads a card.

True Multi-client software (K-CL option)**:** All software comes with 2 concurrent user licenses. Software is expandable in single concurrent user license increments to an unlimited number of users.

Local Anti-passback with Hard, Soft Timed and Executive Modes: Using in and out readers, require that cardholders read properly whenever entering or exiting the building. The system will not allow two reads in the same direction one after the other from the same card (hard), or it will allow a second read but creates an alarm (soft), there cannot be two reads on the same reader during a period of time (timed). Executive mode means that certain access levels ignore the rules.

255 Site Codes/Unique Card Numbers: The System will accept up to 255 different site codes to facilitate the speed of card reorders. All Keyscan 36 bit cards are guaranteed unique. Duplicate batch/card numbers will not be sold.

Contactless Smartcards: Fully compatible with HID iClass smartcards and readers. Increases security of cards and adds read/write capabilities.



Panel Communications as a Service: The default installation of the communications manager continues to be as an application. With System VII the communications manager may be installed as a service.

Multiple Communication Managers on a Single PC: Benefit from running multiple communication managers off of a single PC. Extremely beneficial for optimizing system wide communication and polling speeds for systems that exceed 96 readers while reducing the number of PCs required.

Output Module (Optional module K-OM)**:** System VII will output all system activity to a file and path assigned by the end-user. Ideal for integration with other third party applications.

Lockdown Utility: Establish a facility lockdown in seconds initiated from any reader or System VII client.

Disaster Recovery: If the database is lost and there is not a good backup available, the software may be populated from the panels. You can retrieve the first initial of the first name, the first 8 characters of the last name, a;; the card data, all the access data, all the time zone data, all the panel data and the most recent 6000 events per panel.

Present 3: By presenting an authorized card at a selected reader with 3 consecutive passes you may either toggle a door lock or toggle a time zone. The benefit is added system flexibility since Present 3 allows invoking system controls using a card instead of having to be at a computer with a client module. Present 3 is ideal for locking/unlocking doors, initiating a facility lockdown, arming/disarming points, locking out other cardholders, implementing supervisory override, or controlling devices like lights or HVAC.

CCTV Integration (Add-on module): The system is able to integrate with Toshiba, Pelco DX8000, Bosh DiVAR, Dedicated Micros, Honeywell Fusion, Open Eye, Capture, GE Interlogix and Digital Watchdog. Basic control of the DVR may be accomplished from the Keyscan application. Actions on the access control system may cause one or more cameras to appear automatically in the Keyscan Software. Alarms in Keyscan may be immediately display video of the alarm occurrence in real time or history without the need to search the DVR.

KEYSCAN INC. SECURITY/AUTOMATION TECHNOLOGY
901 BURNS STREET EAST, WHITBY, ON L1N 6A6
TEL.: (905) 430-7226, FAX: (905) 430-7275, E-MAIL: CARDAC@KEYSCAN.CA (24-HOUR VOICE MAIL)

Photo Badging (Add-on module): Complete photo badging capability. Photo-verification show anywhere from 1 to 11 photos of recent entries into one or more doors to confirm the individual is the cardholder of record.

Visitor Management (Add-on module): Replaces paper sign-in books with computer-based visitor management. Allows complete reporting. Prints custom designed visitor badges with visitor's photo (optional). Prints custom parking passes. Allows remote scheduling of visitors across LAN/WAN. Sends an e-mail to the employee when the visitor arrives.

KEYSCAN INC. SECURITY/AUTOMATION TECHNOLOGY
901 BURNS STREET EAST, WHITBY, ON L1N 6A6
TEL.: (905) 430-7226, FAX: (905) 430-7275, E-MAIL: CARDAC@KEYSCAN.CA (24-HOUR VOICE MAIL)