



DSX Access Control

Microsoft Access™ and SQL Server™ Editions

Feature Rich

DSX is a robust access control and system monitoring application that harnesses the power of the Windows™ desktop and server operating systems. Below is a partial list of standard features.

- Mobile Command Android™/iOS™
- IP OnDemand
- Time Zone / Holiday Cloning
- Mobile Credentials / Readers
- Photo ID Badging
- Time and Attendance
- DVR/NVR Integration
- AES256 Comm Encryption
- Email/Text Alarm Notification
- HazMat/Emergency Lockdown - Mobile Activated
- Redundant Hot Swap Comm Servers
- FIPS/TWIC/CAC card compatibility
- Integrated Lockset Management
- External Card Holder API
- Alarm Maps
- Elevator Control - braXos
- Site License - No Charge for additional Client Workstations.
- System Growth - No Charge for additional Cards or Doors.
- Support Contract – Available
- 24 Hour Emergency Support - for DSX Dealers with No Annual Fee.

Scalable Software

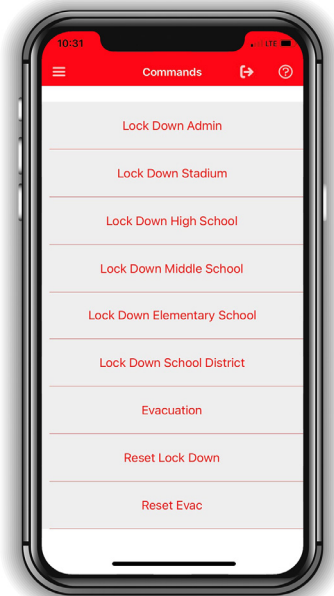
DSX is scalable and able to grow with your needs. Systems can grow from a single PC to multiple PCs. There are two editions of Software. DSX comes standard with a Microsoft Access database engine for small systems. DSX-SQL is designed for medium to enterprise size solutions using Microsoft SQL Server as the database engine. Microsoft SQL Server is user supplied. Both editions of DSX have similar features and capabilities.

Mobile Command

DSX Mobile Command brings the power of the DSX Workstation program to the convenience of a Smart Phone. This Smart Phone application enhances the daily operation of the DSX System. The Mobile Command feature allows the manual locking/unlocking of doors, arming/bypassing of alarm points and the monitoring of system events performed on the go from a mobile but secure application.

Global functions such as Incident Response and even repetitive chores such as momentarily unlocking a door or turning lights on and off, can be programmed into Command buttons for easy activation.

An Administrator can lockdown any school in the district or every school from one Command button. Each building or an entire campus can be controlled through this Smart Phone application using WiFi or mobile cell service.



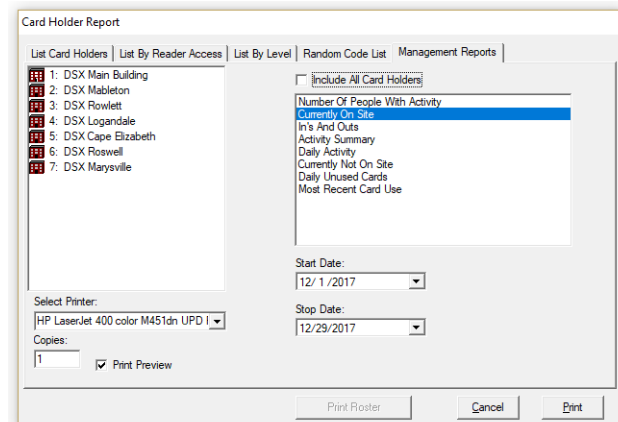


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Management Reports

There are two new Management Reports that provide valuable data. These reports do not require In and Out Readers. **Daily Unused Cards** is a report of Active Cards that have not been used in X Hours. This can be used to find out "Who Is Not Here" at any time during the day. The report is presented by Location and sorted by Company. The Card Holders rendered by the report are listed with their last use. **Most Recent Card Use** is a "Last Use" report that shows all Active Card Holders and the last place they used their card. The report is presented by Location and sorted by Company.



Special Applications

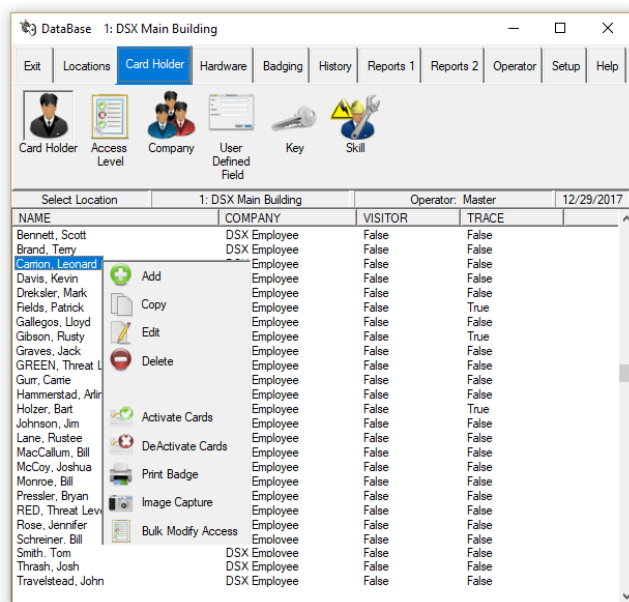
DSX has strong linking capabilities that allow for any card, input, or output in a location to link (interlock) with any other input, output, or time zone in that location. These linking applications are simply programmed under the Hardware Tab and require no additional equipment or services.

Complex Applications include:

- Snow Days/First Man In/Man Trap
- Manager First/Two Man Rule
- Time Zone/Access Level Control
- Virtual Outputs/Clean Up Timers
- Lock- Bell Schedules/Emergency Lockdown
- Handicap Doors/Incident Response

New User Interface

The new User Interface of DSX has an organized and simplified approach to database management. Tabs at the top of the screen show the different categories of data and function. Select the tab of interest and you will see icons for the different items in that collection. A simple click on the data in the list window shows you the commands allowed by your password. This application has the capabilities of prior versions with an Enhanced User Interface.



DataBase Program with Enhanced User Interface

System Security

Password protection allows for operator specific capabilities to be executed at each workstation depending on the profile assigned to the operator. AES-256 Encryption is used to secure and safeguard the passwords. AD authentication can be used to enforce password complexity and the frequency the passwords must be changed.

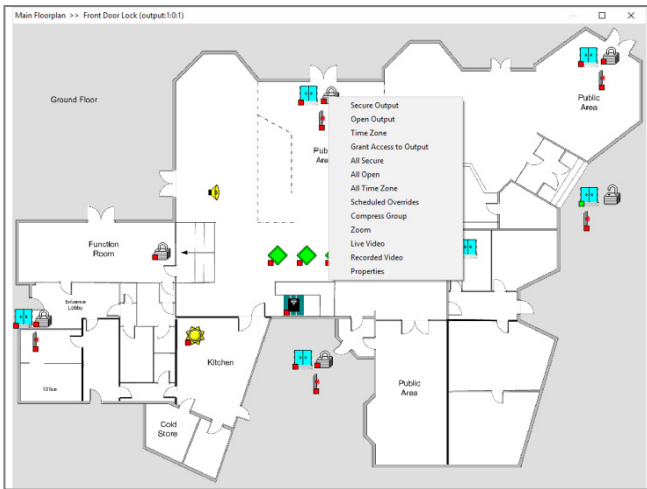


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Graphic Alarm and Control Maps

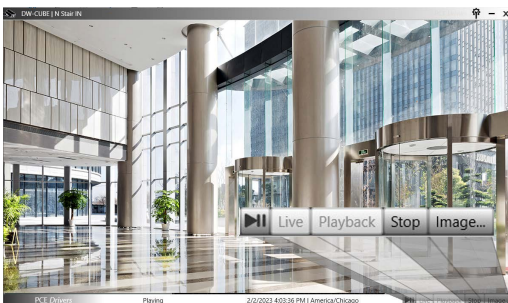
Graphic maps display the true real time status of assigned inputs and outputs. Maps also allow the operator to perform manual overrides of the inputs, outputs, and override groups in real time.



Graphic Map showing Real Time Status Icons

Video Integration

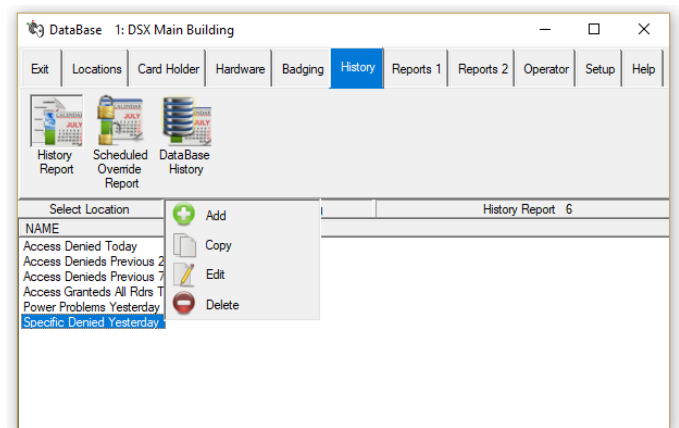
DSX can integrate with over 20 different DVR/NVR systems and IP Cameras. This integration allows stored and live video from the DVR to be accessed within the DSX software. All video is transmitted across a network connection. Remote Viewing Interface features vary based on make and model of DVR/NVR system. Check our website to see compatibilities.



Video Viewing Interface

History Report Generation

Custom History Reports can be defined choosing any combination of locations, doors, events, and cardholders providing as general or specific a report as needed. The reports can be previewed before printing and can be sent to a local printer or any printer on the network. Report configurations can be saved and run at any time. History reports can be preconfigured and automatically run up to twice a day each day of the week and even Emailed from the workstation they were created on. Numerous custom reports can be saved.



History Tab of DataBase

Scheduled Override Report shows all scheduled overrides past, present and future and if they were completed.

DataBase History is a simple method of seeing what has changed in the database, when and by whom.

PC Requirements

PC Hardware Requirements can be found on the DSX Website under products and software.





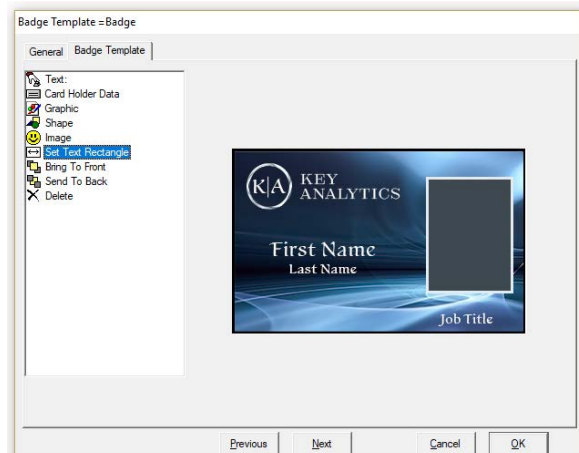
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Photo ID Badging

Badging is an integral compliment of all versions of DSX. The DSX system can produce photo ID badges for employees and visitors. The system allows the user to create badge backgrounds (templates) on which digital images and card holder data is imposed when the card is printed. This exceptional feature that comes standard, for no additional charge, allows photos to be imported or captured out of a live feed from a high-resolution USB connected Camera with a remote control.

Badge templates are created using drag and drop tools with new features such as transparent backgrounds, image ghosting, text centering, text shrink to fit, right alignment, bring to front - send to back layering and rotation to any degree. The ability to create unlimited badge templates allows for all departments and user groups to have unique badges. Single or two-sided, color or monochrome, badges can be printed one at a time or in a batch mode. A print preview feature displays the assembled badge prior to printing with some last-minute adjustments available.



DSX Badge System Features:

- Digital Camera Pan and Zoom
- Batch Card Printing
- Image/Signature Importing
- Live Image Capture - USB Webcam
- No Features Key Required
- Transparent Backgrounds
- Multiple Images for each Person
- Image Cropping and Editing/Auto Image Editing
- Rotate Text and Bar Codes
- Encode Magstripe Track 1, 2, 3 w/equipped printer
- Generates 3 of 9, 2 of 5, 43 and 128 barcodes
- Single/Double Sided Badges w/equipped printer
- CR-80 to CR-100 Card
- Color and/or Black and White Badges
- Text Centering / Shrink to Fit text and data fields
- Right Alignment/Text Underlining
- Font and Text Color selection for each printed field
- Image Ghosting
- Bring to Front/Send to Back Layering

Camera Specifications:

- Motorized pan, tilt and zoom
- USB video class (UVC) supported applications
- Full HD 1080p
- Camera and remote control
- 10-foot range remote control
- Carl Zeiss Optics with 9-point auto focus
- USB 2.0 compliant
- 8-foot USB cable
- 8-foot universal power adapter
- 9-inch extender stem for elevation

Printers:

DSX prints to any Windows™ compatible direct card printer such as HID and Zebra.



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DSX Software Specifications and Features:

32,000 Locations
128 Doors/Readers per location
50,000 Access Codes per location
32,000 Time Zones with 3 Holiday overrides each
32,000 Access Levels
32,000 Inputs/32,000 Outputs
32,000 Companies
32,000 Holidays
99 User Defined Fields
32,000 System Operators and 32,000 Profiles
32,000 ASCII Output Messages
999 Operator Comments
32,000 Graphic Alarm Maps
32,000 Custom Action Messages
Import Graphic Alarm Maps of 21 file types
275 + Card formats and Mobile Credentials
FIPS/TWIC Card Compatibility up to 17 digits
Integral Photo ID Badging
Time and Attendance
Guard Tour/Visitor Management
DVR/NVR Integration
Auto Incremental Downloads (changes only)
Floor Select Elevator Control and Reporting
High Level Elevator Control with BraXos
After Hours HVAC Zone Control
Location wide Input/Output Linking
Location wide Code to Input/Output Linking
4 Zone Anti-Passback w/Hard, Soft and Timed
Integral Database Backup System - Access only
Integral Custom Report Generator w/Previewing
Schedule Automatic History Reports/Email SMTP
"Who Is In" Input/Mobile App Activated via Email
Card Holder "Photo Roster" Report
Code Tracing - Reader and User selectable
Regional Time Zone aware

Operator Audit Trail
Fail Safe or Fail Secure Relay Action
Icons for Input Normal/Abnormal state
Icons for Output On/Off state
TCP/IP Communications, USB, IP OnDemand
Limit of Card Uses 1-10,000
Card Disable Reader
Multiple De-activate Dates for Cards
Threat Level Management
Mobile - Smart Phone Application
Auto/Manual Image Recall
Workstation Event Filtering
Global Access Level Manager
Unlimited Access Levels Per Card Holder
Date Controlled Temporary Access Levels
Card Use It or Lose It - Automatic Deactivation
Precision Start Times/Dates for Card Activation
Precision Stop Times/Dates for Card De-activation
Card Holder Biometric Enrollment Export
Embedded Hot Links in Action Messages
Scheduled Overrides w/Multiple Dates per
Time Zones controlled with Linking Logic
Hot-Swap Backup Communications Server - SQL
Hidden & Predefined User Defined Fields
Alarm Email Notification/Text Messaging
Comm Server (CS.exe) can run as a Service
Bulk modification to Card Holder Access Levels AES
Encryption from Comm Server to Controllers AES
Encryption from Comm Server to Workstations
AES Encryption for DSX Passwords
AD Integration for Operator Logon
Startup Map (always displayed)
Custom Map Sizes
DSX-L85 Software & Integrated Locksets: Schlage -
AD Series Wireless/Hardwired Locksets Schlage -
NDE and LE Wireless Locksets
DSX-L85 Supports LAN and USB communications to
Locksets. Lockset Features Supported - Standard,
Curfew Classroom/Storeroom, Office, Privacy and
Apartment.