



# ACCESS CONTROL

## MICROSOFT ACCESS™ & SQL SERVER™ EDITIONS

### SOFTWARE OVERVIEW

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

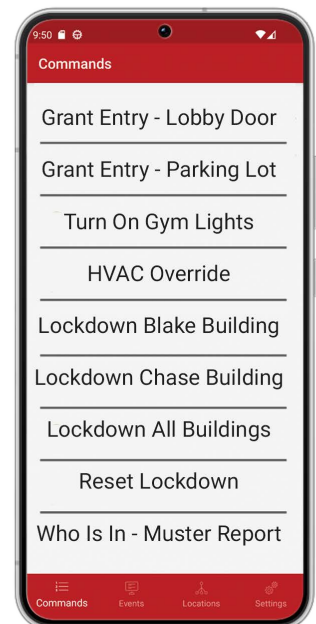
- Mobile Command Android™ / iOS™
- IP OnDemand
- Time Zone / Holiday Cloning
- Mobile Credentials / Readers
- Photo ID Badging
- Time and Attendance
- DVR/NVR Integration
- AES-256 Comm Encryption
- Email/Text Alarm Notification
- HazMat / Emergency Lockdown - Mobile Activated
- Redundant Hot Swap Comm Servers
- FIPS/TWIC/CAC Card Compatibility
- Integrated Lockset Management
- External Card Holder API
- Alarm Maps
- Elevator Control - braXos
- Site License - No Charge to Add Client Workstations to System
- System Growth - No Charge to Add Cards or Doors to System
- Support Contract - Available
- 24-Hour Emergency Support for DSX Dealers with No Annual Fee

### SCALABLE SOFTWARE

DSX is inherently scalable to accommodate system growth from a single PC to multiple PCs and Servers. WinDSX comes standard with a Microsoft Access database engine for small systems. WinDSX-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 have similar features and capabilities.

### MOBILE COMMAND

DSX Mobile Command brings the power of the DSX Workstation to the convenience of a Smart Phone. This secure application enhances the daily operation of the DSX System. The Mobile Command feature allows the manual locking & unlocking of Doors, arming or bypassing of Alarm Points and monitoring of system events from a mobile application. Global functions such as Incident Response as well as repetitive chores (unlocking a door or turning lights on or off) can be programmed into Command Buttons for easy activation. Commands are individually assigned and can control individual doors or entire systems.



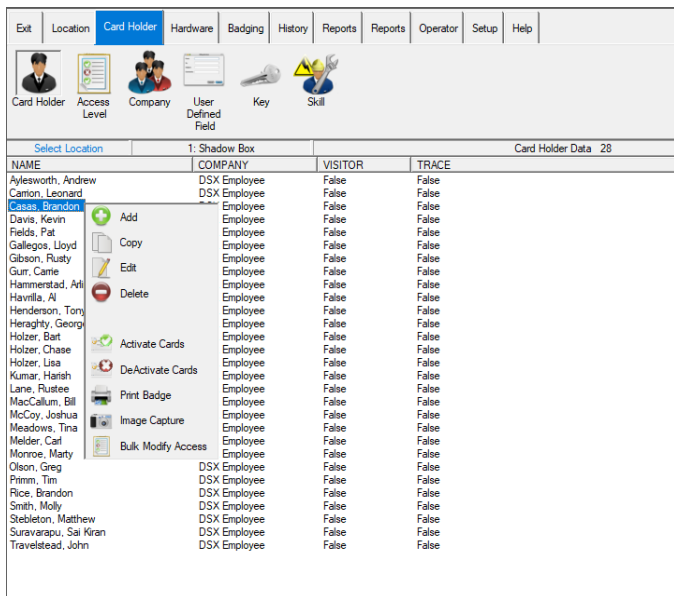


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### USER INTERFACE

The User Interface of DSX has an organized & 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 the commands allowed by user password.



### 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. Linking applications are programmed under the Hardware Tab and require no additional equipment. Examples include: Emergency Lockdown • Incident Response • Access Level Control • Time Zones Control • Virtual Outputs • Manager First • Snow Days • First Man In • Two Man Rule • Man Trap

### MANAGEMENT REPORTS

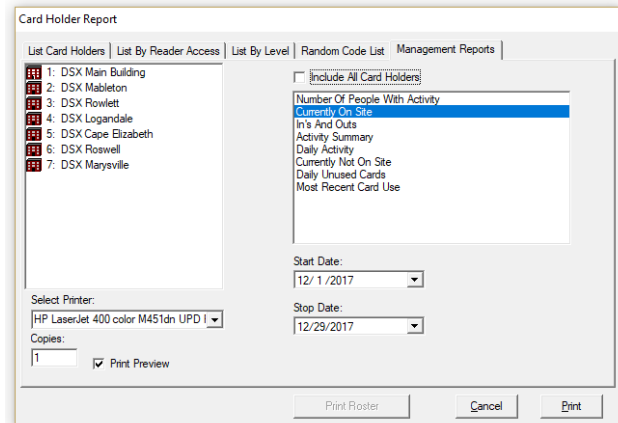
A variety of custom reports are available. The following commonly used reports do not require In and Out Readers

#### Daily Unused Cards

Reports active Cards that have not been used in “X” number of hours. This report can verify “Who is Not Here” at any time during the day. The report is presented by Location and sorted by Company. Card Holders in the report are listed by their last Card use.

#### Most Recent Card Use

A “Last Use” report that lists all Active Card Holders and the last place they used their Card. The report is presented by Location and sorted by Company.



### 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 secures and safeguards passwords. AD Authentication can be used to enforce password complexity as well as the frequency that passwords must be changed.

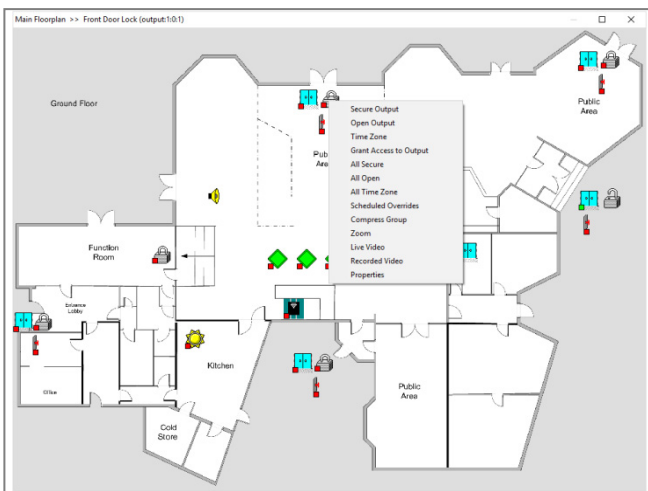


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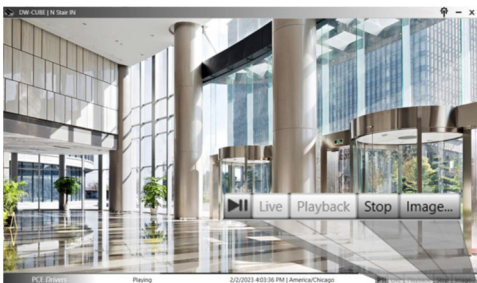
### GRAPHIC ALARM AND CONTROL MAPS

Graphic maps display the true real time status of assigned Inputs and Outputs represented by Icons. Operators can perform overrides of the Inputs, Outputs and Override Groups in real time.



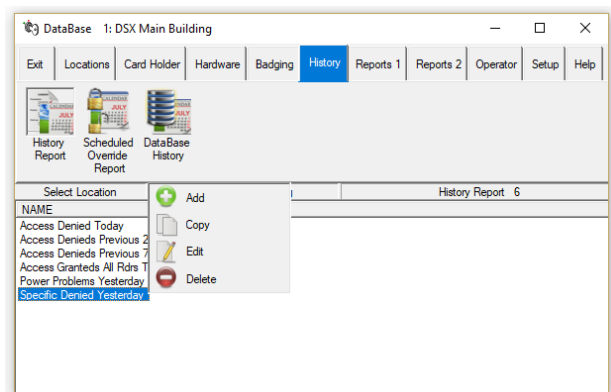
### VIDEO INTEGRATION

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 the make and model of the DVR/NVR System. Compatibility available at [DSX ACCESS SYSTEMS, INC.](http://DSX ACCESS SYSTEMS, INC.) ([DSXINC.COM](http://DSXINC.COM)) An SDK is available for integration with other systems.



### HISTORY REPORT GENERATION

Custom History Reports can be defined by choosing any combination of Locations, Doors, Events, and Card Holders. Reports can be as general or specific as needed. Previews are available before printing and can be sent to a local printer or any printer on the network. Numerous report configurations can be saved and run at any time. History reports can be preconfigured and automatically run up to twice each day of the week. Reports are Emailed from the Workstation where they are created.



### Scheduled Override / DataBase History

Located in the History Tab of DataBase, this report shows all scheduled overrides- past, present, and future as well as if they were completed. DataBase History is a simple method of viewing what has changed in the DataBase, when it was changed, and the Operator that made the changes.

### PC REQUIREMENTS

PC Hardware Requirements can be found on the DSX Website under Products and Software.



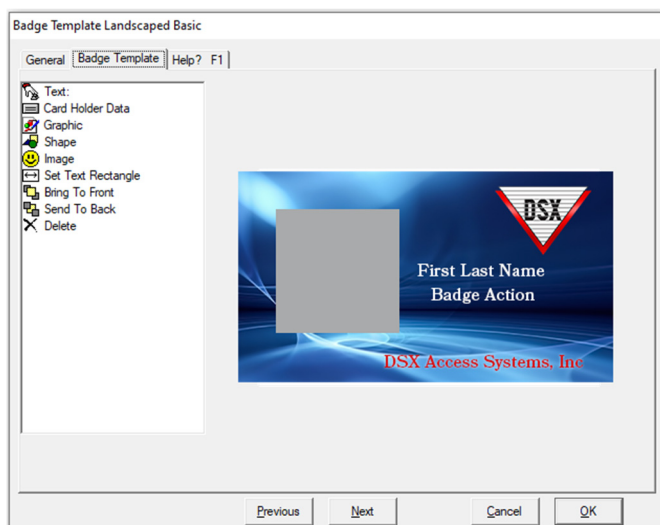


# PHOTO ID BADGING

## OVERVIEW

WinDSX offers a seamless integration of Video Imaging and Photo ID Badging with the Access Control System. Photo ID Badges can be created for employees and visitors within the Software. This feature allows images to be imported or captured from a live video feed from a high-resolution USB connected camera. These images can be edited within the software. A shared database allows for integration of Card Holder information onto the Cards. Information including Card Holder data and information from any of the 99 User Defined Fields in the database may be used on the Badge.

Badge Templates are created using drag and drop tools in a WHYSIWYG (what you see is what you get) format. Transparent backgrounds, image ghosting, text centering, text shrink to fit, etc. are all part of the WinDSX Software. Unlimited Badge Templates can be created for unique departments or user groups within the system. Print Preview allows last minute adjustments to an assembled badge before printing.



## DSX BADGE SYSTEM FEATURES

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

## DSX CAMERA SPECIFICATIONS

- Motorized Pan, Tilt & Zoom
- Full HD 1080p Camera & 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

## PRINTERS

DSX prints to any Windows™ compatible paper stock or Direct Card Printer such as HID and Zebra.



# SOFTWARE SPECIFICATIONS & FEATURES

## SYSTEM SPECIFICATIONS

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 for each Card Holder  
32,000 System Operators & 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 (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 & 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 (Hard, Soft & Timed)  
Integral Database Backup System - Access Only  
Integral Custom Report Generator with Previewing  
Schedule Automatic History Reports / Email SMTP  
"Who is In" Input / Mobile App Activated via Email  
Card Holder "Photo Roster" Report  
Code Tracing (Reader & User Selectable)  
Regional Time Zone Aware  
Operator Audit Trail  
TCP/IP Communications, USB, IP OnDemand

Limit of Card Uses 1-10,000  
Card Disable Reader  
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  
Multiple De-Activate Dates for Cards  
Card Holder Biometric Enrollment Export  
Embedded Hot Links in Action Messages  
Scheduled Overrides with 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 Authentication for Operator Login  
Startup Map (always displayed)  
Custom Map Sizes

## DSX L-85 SOFTWARE & INTEGRATED LOCKSETS

Schlage - AD Series Wireless/Hardwired Locksets  
Schlage - NDE & LE Wireless Locksets  
DSX L-85 supports LAN and USB Communications  
to Locksets. Features Supported: Standard, Curfew,  
Classroom/Storeroom, Office, Privacy & Apartment.





# DSX ACCESS SYSTEMS, INC.

Security Professionals' First Choice

