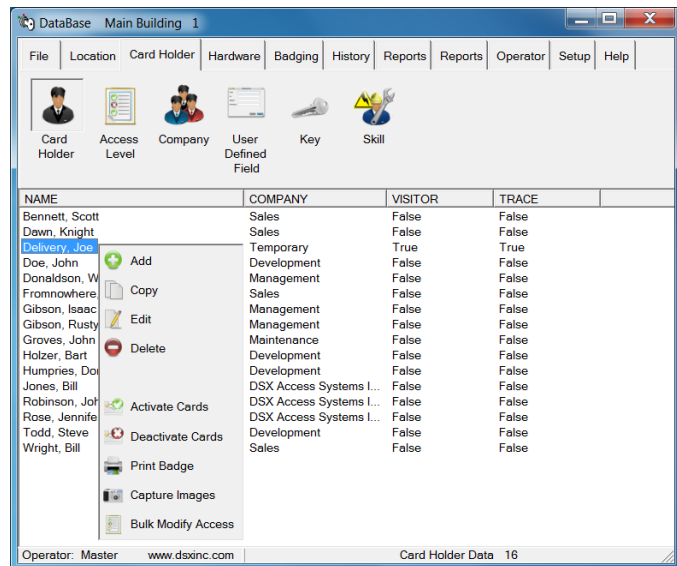




DSX Access Control[®]

Microsoft Access[™] and SQL Server[™] Editions

DSX is a powerful access control and system monitoring application that harnesses the power of the Windows[™] desktop and server operating systems. DSX combines Point Monitoring and Access Control with Photo ID Badging, Time and Attendance, Alarm Graphics, DVR/NVR Integration, Elevator Control, Alarm Email/Text Message Notification, HazMat / Emergency Lockdown, FIPS/TWIC card compatibility, and Integrated Lockset Management. DSX incorporates extensive features and flexibility in one package.

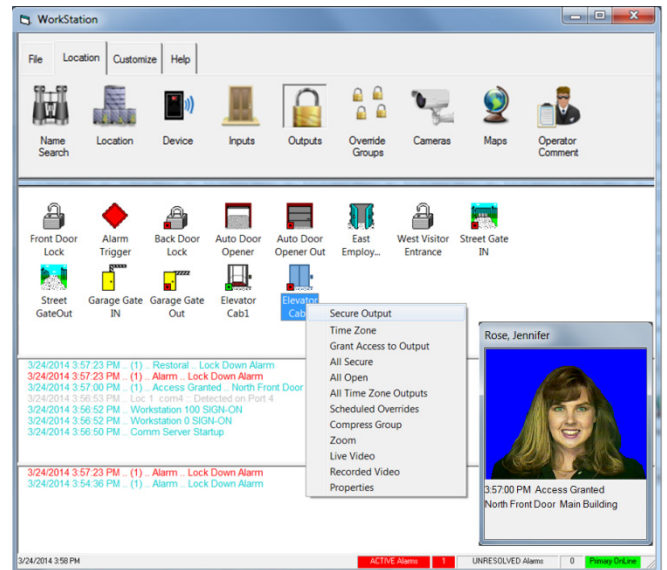


DataBase Program with Enhanced Interface

The new User Interface of DSX has a more 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 right click on the data in the list window shows you the commands provide by your password permissions. This application has all of the capabilities of prior versions with an Enhanced User Interface.

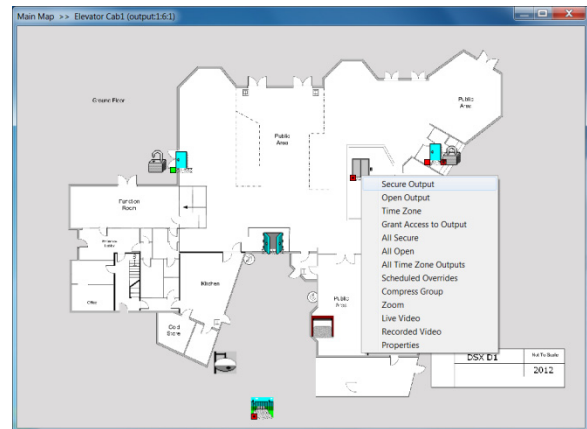
There are two Editions of Software. DSX comes standard with a Microsoft Access database engine. DSX SQL is designed to work with Microsoft SQL Server as the database engine. Microsoft SQL Server is user supplied. Both editions of DSX have similar features and capabilities.

DSX can support your access control needs from a single PC or multi-user LAN to an Enterprise Solution with SQL Server as the database engine. The system utilizes TCP/IP network communications to provide user interaction and real time monitoring to the workstation PC's located anywhere on the LAN or WAN. DSX is scalable and able to grow with you.



Workstation - Real Time Interface

I/O monitoring and control is achieved through animated icons that depict the real time status of each input or output. I/O points can also be assigned to an Override Group allowing for multiple inputs and outputs to be monitored and controlled from a single icon. Password protection allows for operator specific capabilities at each workstation. Scheduled Overrides can be assigned to individual Inputs and Outputs as well as Override Groups. These schedules allow operators to quickly assign time and date sensitive instructions determining the open/secure and armed state of the outputs and inputs. The Workstation program keeps you in the "know and in control".



Graphic Map showing Real Time Status Icons

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 and outputs in real time.

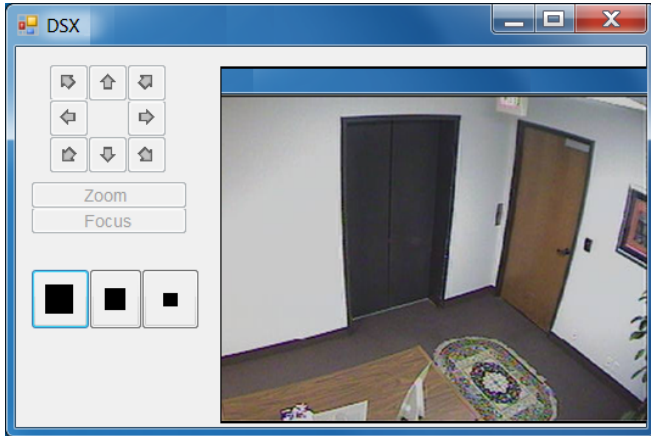


DSX Access Control[®]

Microsoft Access[™] and SQL Server[™] Editions

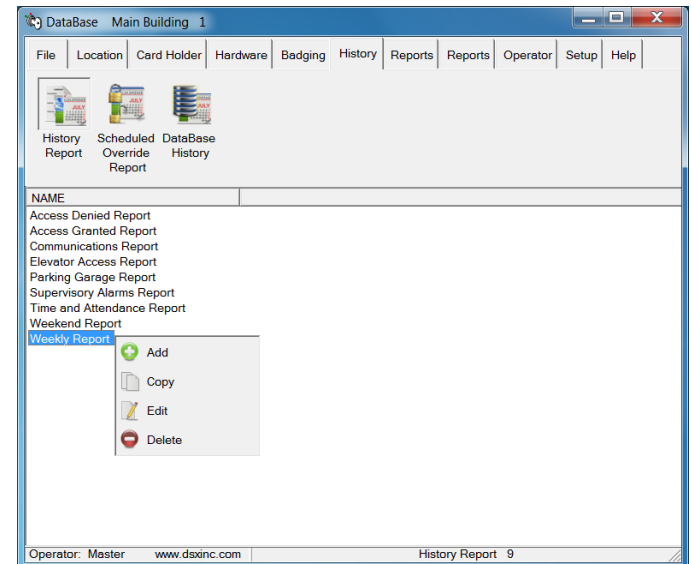
DSX has the ability to integrate with over 20 different DVR and NVR systems. This integration allows stored and live video from the DVR to be accessed within the DSX software. All video is transmitted across a network connection. Remote Viewing Interface features vary based on make and model of DVR/NVR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

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 LAN. 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.



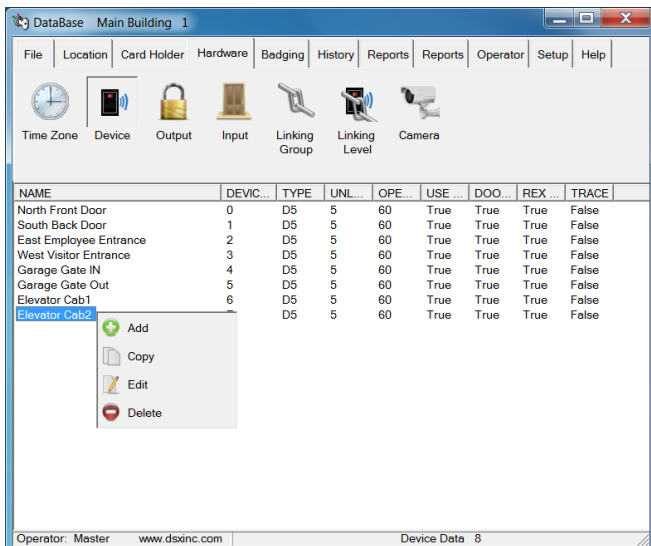
DVR Viewing Interface

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. This allows for complex applications such as Elevator Control, Handicap-Doors, First Man In, Man Trap, Manager First, Two Man Rule, Time Zone/Access Level Control, Virtual Outputs, Clean Up Timers, Lock/Bell Schedules, and Emergency Lockdown. These linking applications are simply programmed under the Hardware Tab and require no additional equipment.



History Tab of DataBase

Photo ID 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 remote control.



Hardware Tab of DataBase

Badge templates are created using “What You See Is What You Get” 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 sided or two sided color and 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 Access Control®

Microsoft Access™ and SQL Server™ Editions

DSX Software Specifications and Features:

Microsoft Access or SQL Server Editions
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 Password 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
250 + Card Reader, Keypad format compatibility
FIPS/TWIC Card Compatibility up to 17 digits
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 Interface/Report
After Hours HVAC Zone Control
Global Input/Output Linking
Global Code to Input/Output Linking
4 Zone Global Anti-Passback w/Hard, Soft, and Timed
Integral Database Backup and Restoration System –Access only
Auto-Backup procedure/ Backup to any storage media
Integral Custom Report Generator w/Report Pre-viewing
Schedule Automatic History Reports / Email using SMTP
“Who Is In” One Button Report including Input Activated
Card Holder “Photo Roster” Report
Code Tracing - Reader and User selectable
Regional Time Zones for Workstations and Remote Sites
Fail Safe or Fail Secure Relay Action
Icons for Input Normal/Abnormal, Output on On/Off states
Direct, Dial-up Modem, and TCP/IP Panel Communications
DSX-LAN(M) Interface w/ Modem Backup Communications
Limit Number of Card Uses 1-10,000 / Card Disable Reader
TCP/IP Network Protocol support
Integral Photo ID Badging and Photo Verification w/Image
Auto/Manual Image Recall
Workstation Event Filtering
Operator Audit Trail
Alarm Echo - Offsite Alarm Monitoring / Remote Control
Multiple De-activate Dates for Cards
New SoftKey replaces USB Hasp Features Key

Continued....

Auto Incrementing Badge Number
Threat Level Management
Global Access Level Manager
Unlimited Access Levels Per Card Holder
Date Controlled Temporary Access Levels
Card Use It or Lose It automatic deactivation by Company
Precision Start Times and Dates for Card Activation
Precision Stop Times and Dates for Card De-activation
Card Holder Biometric Enrollment Export
Embedded Hot Links in Action Messages
Multiple Dates on Scheduled Overrides
Time Zones controlled with Linking Logic
Hot-Swap Backup Communications Server – SQL only
Hidden & Predefined User Defined Fields
Alarm Email Notification / Text Messaging
Comm Server (CS.exe) runs as a Service
Bulk modification to Card Holder assigned Access Levels
AES Encryption from Comm Server to all Controllers
AES Encryption from Comm Server to all Workstations
Startup Map (always displayed) + Custom Map Sizes
Device Locator- shows which Access Levels contain a Device

DSX Badge System Features:

Digital Camera Pan and Tilt
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 BarCodes
Encode Magstripe Track 1, 2, 3 with equipped card printer
Manual Image Recall by Clicking on Card Read Event
Auto Image Recall by Device, up to two time zones each
Generates 3 of 9 and interleave 2 of 5 Barcodes, 43, 128
Single Sided/Double Sided Badges/ 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
WYSIWYG + XY Coordinates
File Import using Digital Camera
Resize Image and Maintain Aspect Ratio
Shapes with custom colors available
Name field concatenation
Image Ghosting
Bring to Front / Send to Back Layering
Auto Badge Template selection
Card Holder Photo Roster Report



DSX Access Control[®]

Microsoft Access[™] and SQL Server[™] Editions

Integrated Locksets:

Schlage - AD Series Wireless and Hardwired Locksets
Controlled by DSX-L85 Software or DSX Controllers.
DSX-L85 Supports LAN and USB communications.
Lockset Features Supported - Standard, Curfew
Classroom/Storeroom, Office, Privacy, and Apartment.

Integration Partners:

Allegion / Schlage[™] provides Hardwired and Wireless
Integrated Locksets managed by DSX-L85 Software.

www.allegion.com

EasyLobby[®], has an integration module that seamlessly
integrates DSX and EasyLobby's SVM (Secure Visitor
Management) software. www.easylobby.com

Integrated Biometrics[™] integrates the TRU650 biometric
fingerprint reader with the DSX Access control system.

www.integratedbiometrics.com

Identity One[™] is a global biometric solution provider with a
seamless interface to DSX. www.identityone.net

Jolly Technologies[™] has an integrated visitor management
system using Jolly's Lobby Track and the DSX Access Control
System. www.jollytech.com

Que Accounting[™] Inc. is a long time partner of DSX and has
Time and Attendance, Job Costing, Visitor Management, and
several other Custom Applications. www.queacct.com

Video Imaging Components:

DSX CamKit = USB Badging Webcam, Remote Control, USB
Cables, and power adapter.

All components have a 1-year warranty.

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

Pan, tilt and zoom

Carl Zeiss Optics with 9 point auto focus

78-degree field of view

180-degree pan, 55-degree tilt

USB 2.0 compliant

8-foot USB cable

8-foot universal power adapter

9-inch extender stem for elevation

Windows 7, XP, and Vista

Printers:

DSX prints to any Windows[™] compatible direct card printer
such as Zebra and Fargo.

PC Requirements:

CPUs Minimums

Pentium 2.8 GHz Dual Core (or
better)

Pentium 2.3 GHz Dual Core (or
better)

Pentium 3.3GHz Dual Core (or
better)

Memory Minimums

4G

4 – 8 G

Drive Minimums

CD/DVD 16x or better

1G Hard Drive Space minimum

LAN Communications

Adapter 10/100Mbit or better

Requires TCP/IP Protocol

Comm Server

LAN Modules

Comm Server to Controller

Comm Server to Workstation

Sound

Windows[™] sound card.

Backup Gear

Windows[™] compatible

Backup gear.

Modem

DSX External dial-up

Serial Ports

DSX-USB Comm Adapter

Client Operating Systems

Windows[™] 8-8.1 Pro

Windows[™] 8-8.1 Pro 64 bit

Windows[™] 7 Pro Svc Pack 1

Windows[™] 7 Pro 64 SVC Pack 1

Windows[™] XP Pro Svc Pack 3

The Comm Server Program

Server Operating Systems

Server 2003

Server 2008

Server 2008 R2

Server 2012

Server Operating Systems

SQL Server

SQL 2005

SQL 2008

SQL 2008 R2

SQL 2012

SQL 2012

Application

Host PC for single PC, single
location, or LAN workstation for
single location system.

LAN Comm Server or File Server
for single location, or
workstation for multi-location
system.

LAN Comm Server and/or
combination File Server for
multi-location.

Application

Basic System, Single PC

Multi-Location Comm Server

Application

Software Installation

Basic System requires 50M

Application

100M is recommended

127.0.0.1 for no LAN

Static IP Address

Static IP Address

UDP - ports 4000 to 5000

TCP - ports 22223 / 22224

Application

WAV files for input alarms.

Application

DSX can send backups to logical
drive. DSX SQL uses SQL Server
for backups.

Application

DSX only supports DSX modems

Application

USB to RS-232 / RS-485.

DSX Version

3.7 / 4.7 and higher

3.7 / 4.7 and higher

3.7 / 4.7 and higher

3.7 / 4.7 and higher

3.5 / 4.5 and higher

Operates on Desktop or Server

DSX Versions

3.5 / 4.5 and higher

3.7 / 4.7 and higher

3.7 / 4.7 and higher

3.10/4.10 and higher

Require Active Directory.

DSX Versions

3.7 / 4.7 and higher

3.7 / 4.7 and higher

3.7 / 4.7 and higher

3.10 / 4.10 and higher

requires additional configuration