



WinDSX System Update 3.5

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Digital Video Recorder Integration

WinDSX now has the ability to integrate with various different Digital Video Recorders. This integration allows stored and live video from the DVR to be accessed within the DSX software. All video is transmitted across a Local Area Network connection.

Real time video can automatically be displayed in response to alarm events. Additionally the operator can request real time and/or stored video from the alarm acknowledgement screen or from any input/output or camera icon.

Recorded Video can also be viewed while running a History report. Simply highlight the event you would like to see the video for and click the "Show Video" button. The system will find the video that matches the event time and date and display it on screen.

Global Access Level Manager

You can now create access levels that span multiple locations. That is, if you have 5 locations grouped together you can create a single access level called "General" that will include the general access doors from each location. The ability to create a single access level that spans multiple locations will streamline the creation and assignment of Access Levels in a Multi-Location system.

Access Levels can be created incorporating a combination of Doors and Time Zones from each Location within the Location Group. From the Card Screen the operator can view the assigned Access Level learning which doors and at what times the card holder has access to those doors in each location.

Unlimited Access Level Assignment

You can now assign an unlimited number of access levels to each card. The ability to create multi-location access levels combined with the ability to assign an unlimited number of access levels to a card will dramatically change the way access levels are managed. It is also possible to limit the number or access levels that can be assigned to a card holder.

Now you can create specific use Access Levels and then assign them as needed to each card. For example, the card may originally be given the "Perimeters Doors" and then at a later time you can add the "Parking Garage" without creating any new access levels. The card will have access privileges that are the sum of all access levels that are assigned to it.

Creating smaller access levels makes them easier to manage and you can provide a more specific name for the access level. Then assign as many access levels to the card as needed to create the privileges that card holder requires. Removing access levels is just as simple. Just delete a specific access level from the card to remove those access privileges.

Temporary Access Levels

DSX now provides the ability to assign temporary access levels to a card. Temporary Access Levels can be assigned to override the Card Holders normal access level on a user defined Start Date and then revert back to the permanent Access Level on a user defined Stop Date.

This could be for an employee that would need access to another area temporarily. For instance an employee receives an assignment that will require him to enter the HR department for the next two weeks. He would be given a Temporary Access Level that includes his permanent access levels and the HR department level.

The Temporary Access Level assignment would be given a Start Date of ??/??/???? and a Stop Date of ??/??/?????. On the Start Date the Temporary Access Level is applied and the Permanent Access Level is suspended until the Stop Date is reached whereby the Permanent Access Level is re-instated.

Card Holder Photo Roster Report

This new feature provides a report that includes the Card Holders picture and any other Card Holder data that you specify. The report would be similar to a page in a high school yearbook,

except you can control the size and position of the images and data in the report.

The report created has multiple Card Holders with user-selected data and pictures on a single page. The report uses a badge template named Roster and repeats it on a single page as many times as possible. The size of the Roster badge template will determine how many Card Holders are included on each page. The badge template size is determined by the height and width settings of the badge template.

It is possible to obtain anywhere from 1 to 50 card holders on a single page. This could be used for a company directory, alphabetically listed showing each employees picture, name and department. The Roster Report could also be used to print just a single Card Holder with all of their information for purposes of being posted at a security check point.

Floor Select Elevator Access Report

The new Floor Select Elevator Access Report enhances the already powerful elevator control feature of WinDSX. The reports can show card holder activity in an elevator cab and display what floor select button the passenger pressed. The Elevator Access Report will show this data on a single line as a new event called Elevator Access. This report can include other events as well such as Output Secure/Open.

This new report can be used to show who accessed a certain floor through a particular or any given elevator cab, what floor a card holder accessed, or all activity in a particular cab or cabs. This report is a standard part of the software upgrade but does require a minimal amount of setup in the database before the reports can be used.

Cad Drawings For Alarm Maps

WinDSX allows up to 21 different graphic file formats to be imported into the system and used for Alarm Maps. This latest enhancement provides for .dxf, dwg, drw, and plt, file formats to be imported and used as alarm maps.

Regional Time Zone Settings

This feature allows for each Location (separate loop of panels) and each Workstation (PC) to have their Time set according to their Locale, similar to the way Regional Time Zones are assigned in Windows™ on your PC. This simplifies and enhances the accuracy of Time/Date recording and processing of system operations.

Once the software is upgraded the Regional Time Zone is configured for each Workstation PC and Location in the DataBase program. For Example, if the Comm Server PC is in Dallas, Texas it would be set to Central Time while a Workstation in San Diego would be set to Pacific Time. A panel location in Florida would be set to Eastern Time.

Customers that are upgrading their software and had previously used the Time Off Set values for locations and workstations must manually set the Regional Time Zone for each location and workstation after the upgrade.

Image Ghosting

We have added the ability to Ghost an image or graphic on a badge. This is a great badge security feature. Images can be placed on the badge with varying degrees of transparency. For example a company logo could be placed across a section or the entire card as a semi-transparent graphic while text and other information could be printed over it. The Card Holder Image could also be ghosted this way providing a more secure card that is very difficult to duplicate or forge.

Override Anti-Passback Separated from Master Access Level

Overriding Anti-Passback is now an option that can be given any Card Holder regardless of their access level assignment. Previously only a card with the Master Access Level did not have anti-passback enforced. Now there is a separate check box for overriding anti-passback. Cards that have anti-passback override do not have to follow the anti-passback rules. For example, this

allows for a parking attendant to Enter the garage multiple times before Exiting.

A card can still be assigned the master access level and anti-passback override but one is no longer necessary to get the other. This feature does require the DSX controllers to have a Flash ROM version of 3083 and higher or an EPROM version of 568 and higher.

“Who Is In” Report By Input Alarm

The "Who is In" Report is a unique report that provides the "IN" Status of all Card Holders in the system. The report can be sorted by Company or by Device (reader location). The report is conveniently initiated from the Who Is In Report Button in the toolbar located at the top of the DataBase program.

The system can also be configured to print this report automatically when a predefined alarm is received. Each Workstation can be configured to print a Who Is In Report for a particular Location depending on the alarm received. The Report is sent to the default printer for that Workstation.

To allow security personnel to simply press a button and receive the Who Is In Report without having a PC in the area would only require a push button wired to any panel input and a printer connected to the LAN.

Route History Reports Via Email

DSX has implemented the ability to route predefined automated history reports to an email address or multiple addresses through Microsoft Outlook™. History reports can be configured to automatically run up to twice a day on any or all days of the week. Reports can include any information desired such as card holder activity, alarms, or supervisory events from any or all controllers from any given location.

These reports are pre-configured and saved and will automatically run from the Workstation they were created on providing the default mail client is Microsoft Outlook™ and the WinDSX database program is running.

Microsoft Access™ & SQL Server™

DSX has two different versions of the WinDSX software. Our traditional WinDSX software and a version called WinDSX SQL. The difference between the two is the type of database used to store the system information.

The WinDSX software uses Microsoft Access™ files to store data and the WinDSX SQL uses Microsoft SQL Server™ to store data. When using SQL Server to store the data we have a centralized set of database files that reside on the SQL Server PC. Each of the WinDSX workstations uses TCP/IP to make requests to the SQL Server. The SQL Server program executes the request and returns the results. This is very different than how things happen in the Access database.

When you use the Access version each workstation actually “touches” the database. With SQL Server only the SQL Server program touches the database. This results in a database that is much less susceptible to corruption. The risk of database corruption is decreased in two different ways. First the liability of a network error causing corruption is eliminated, as the only program that touches the database is SQL Server, which is running on the same PC with the database. Second the possibilities of simultaneous or conflicting writes to the same records are eliminated, as the SQL Server program will only service one request at a time.

Additionally SQL Server is designed to handle very large database files and a high number of users. Increasing resources (speed, RAM) to the SQL Server PC without making any hardware changes to the Workstations can enhance your systems overall performance. SQL Server also provides high level of security for the system data, as access to the data is restricted by SQL Servers built in security procedures.

Basically SQL Server stands between the world and the data. Its job is to protect the data from unauthorized access, maintain the health of the database, and respond to requests from the

workstations. The WinDSX SQL software is typically used on mid to large size jobs.

Precision Card Start/Stop Date/Time

It is now possible to set a Time as well as a Date for cards to Start (activate) and Stop (deactivate) working. Cards can now be enabled for as little as 15 minutes or indefinitely.

Card Use it or Lose it

You can now specify on a per company basis the length of time a card holder can go without using their card before their card is deactivated. If this Location is part of a Location Group this is the number of days the card is not used in any location in the group. As long as the card holder uses their card in any location in the group within this specified number of days their card will stay active.

Auto-Incrementing Badge Number

You can now designate a UDF field as an auto-incrementing card number. This field will become a card serial number typically used for badging applications. This UDF (data) field can be placed on a badge template so that each card printed can have a unique number printed on it that is automatically assigned and incremented. Each time a card is printed with a badge template that contains this UDF field the system will prompt the operator to print the card as is or to increment the card number.

Faster History Searches

History Searches are much quicker when selecting specific card holders and events.

DSX-1030PR5 – Processor

The new DSX-1030PR5 Processor is now available for upgrades to existing 1030 Series I/O Controllers. This faster new retrofit processor provides 512K of RAM and 512K of Flash ROM to existing 1032,1033, and 1034 Controllers.

The 1030PR5 processor is a direct replacement of the existing 1030P processor and can be used to bring existing systems up to today's capabilities for a minimal cost.