Watch*NET* Access Security Management Software

Watch*NET* Access Integrated Security Systems Software

Watch*NET* Access software is a powerful, network based enterprise level security management software that accommodates widely-dispersed applications with an unlimited number of users, controls thousands of doors and allows you to simultaneously access the system.

The enhanced user experience makes navigation and operation easy and intuitive. Watch*NET* Access Software platform that offers the ultimate balance between power and affordability in a network environment. It offers the flexibility to securely connect controllers directly on the network, as well as over RS-485.

Watch*NET* Access software is a fully integrated solution for Access Control, Intrusion Detection, CCTV, Time & Attendance and Building Management. This powerful software manages multiple tasks using Windows 7 and Win 8 Professional Versions and supports databases such as MSSQL and MS Access.

The software's multi database capabilities allow the customer the flexibility to choose either MS Access database or MS SQL database. Multiple users (software operators) with different levels of access can simultaneously access the system. The system starts with only a single user called "Administrator", and "Administrator" can create different users with different access levels enabling them with access to only to data as allowed by their access rights or privileges.

The same software supports stand alone, small two-four doors installations, medium size installations and enterprise global systems. Just add more doors as you grow. Our licensing process is simple. There is a one-time cost based on hardware and functionalities needed. When you grow, simply add features to your license via eMail while adding, not replacing, existing equipment.

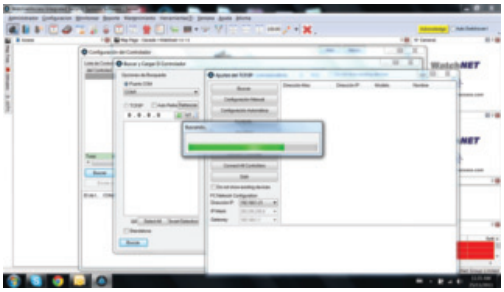
Software Overview

- Easy Icon based navigation
- Choice of colors & sounds for every event
- Auto Detection of Controllers on the network
- Auto or Manual Backup of the Database
- Exporting Events
- Searching / Add / Delete quickly
- Interactive dynamic maps
- NVR / IP Camera Video Integration
- Event Email Notification
- Pop up screens on specific events
- Unlimited Users and User Profiles
- SQL Database Standard
- Graphic Design – 4 layers of site-maps. Maps can be any Picture type, PDF, CAD Files. Easy to use, just “Drag & Drop”
- Doors Operation from ANY client (based on permission.)
- Remote Access Support
- Email Alerts
- Flow Control – Logical Scenario response configuration using any of over 120 systems events as well as Input or Output statuses
- Time and Attendance Built-In
- Visitor Management
- Event Response Configuration
- Alarms and Alert functionality allow the use of auxiliary inputs and outputs to be configured as Alarm point and alerts. Supports most alarm sensors in the market
- Muster / Evacuation Support
- Lockdown and Active Shooter Scenario Supported
- iOS and Android apps (Watch*NET* Access) available for remote control of doors
- Software in multiple languages

www.watchnetaccess.com

Division of Watch*NET* Inc.

Scan and Enroll Controllers on the Network



The system set up is made relatively very easy with Watch*NET* software. Once all the hardware is wired and plugged in to the network, the software scans the network for all installed controllers and lists them using the Search function. Auto or Manual configuration is possible on all the controllers detected online.

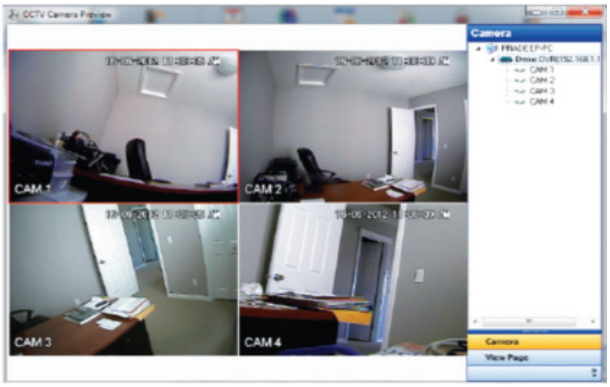
The operator has the choice to determine whether an Auto download or Manual download to the controllers is needed from the selectable feature of the software. Watch*NET* Access panels can be connected either through a COM port or through TCP/IP. In case the controllers are interconnected through the RS485 Bus to the COM port of the server then search could be done on the com port as well. However the controller dip switches need to be correctly set before the scan.

Software Event Monitoring

The pop up function ensures that in the event of an alarm the appropriate map pops up. The alarm can be acknowledged using the acknowledge button on the top and action taken can be recorded. The system also provides real time status display and control of all the devices on the map.

The system enables the operator to monitor entry of personnel on site in real time. The person's database picture along with his credentials is displayed. The latest entry is shown as a large picture while the previous three is delegated to smaller screens on the side. This feature facilitates video verification through camera pictures as well. The system also enables specific events to pop up boxes from different areas of the screen. With this the operator is easily available to identify whether the entry is a regular entry which pops up from the right hand side bottom of the screen or an alert which can pop up from the left hand side top corner of the screen. These features reduce stress on the operator as they don't have to stay focused on the screen all the time monitoring the events. The colour of events as it appears on the screen can also be configured making it specific to different organizations.

Video Integration

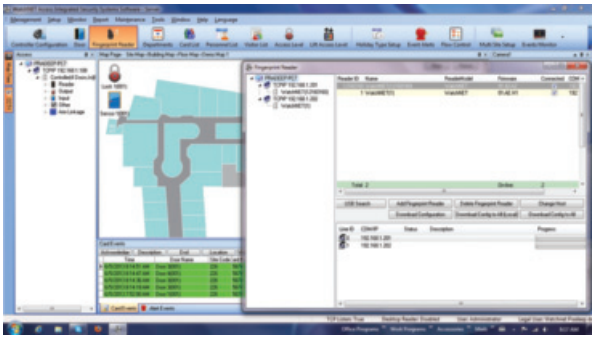


The Watch*NET* Access software is seamlessly integrated with CCTV system through DVR/NVR and IP Cameras. Currently it is integrated with all Watch*NET* video products and a few other supported brands. Integration can also be developed as per clients requirements provided the requirements needed for integration is provided to us. Integration is achieved by TCP/IP communication with the required video platforms.

As is the case with controllers, the software scans the network and identifies the DVRs. NVRs or IP Cameras. Once identified the cameras in the system can be located on the maps. The live image from the cameras can be seen on the video monitor slots on the screen by clicking on the appropriate cameras. The system also automatically brings up the appropriate cameras if they are tagged to doors upon events. Snapshots or Video clips can be recorded on specific events. These events are saved on the server and can be recalled at any time through the event viewer or reports from the system.

Biometric Reader Integration

The Watch*NET* Access software is seamlessly integrated with Biometric readers making enrollment of the card holders and their fingerprints from a single screen. Currently it is integrated with the WatchNET Bio- metric readers as well as a few well-known brands in the industry. Integration can also be developed as per client's requirements provided the requirements needed for integration is provided to us. Initially each reader is connected to the software through a USB cable to set its device parameters for TCP/IP communication. Once this is done all biometric readers are plugged into the network and as is the case with controllers, the software scans the network and identifies the units. The fingerprint is enrolled at the same time a card is issued using the USB fingerprint enrollment unit. The fingerprint template is then downloaded to all the fingerprint units through TCP/IP. All the biometric readers will be listed in the card enrollment screen and access can allowed on all or specific readers depending on the access level of the cardholder.



WatchNET ACCESS

Interactive Map

Watch*NET* Access provides a comprehensive graphical monitoring and control. Map Maker allows having four layers of visual maps of the different sites, buildings, floors and areas.

User can view all controller components and monitor their real time status (locks, sensors, exit buttons, inputs, and outputs).

Users can also change the status of the components by right clicking on the particular component and choosing the options available. All maps and controller components displayed are dynamic.

The components will change their graphical icon if their physical status has changed (i.e. lock was opened).

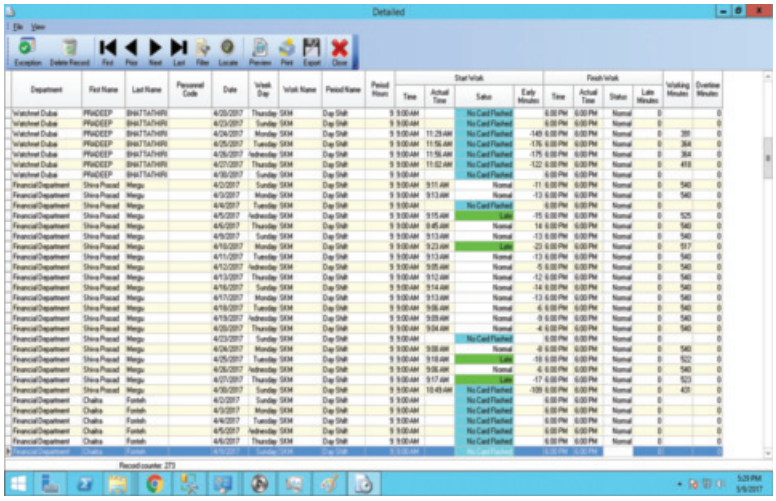
Time Attendance & Reports

Watch*NET* Access Integrated Security Management Software Time & Attendance Reports

Time & Attendance reports are available from the Watch*NET* Access Control system. In order to generate the reports, the company or the department working hours are set as per the company policies. The employee is also allowed a few pre-set minutes for late arrival or early departure. The settings are as indicated.

Based on these set rules the employee's actual IN and OUT times on a daily basis according to their access levels are compared against the set rules and reports can be generated. It is possible to generate report based on the selected parameters and indicated below.

These reports can be generated per employee or department as per the selections and saved in various formats as indicated below. This information can be conveniently imported into third party software such as Payroll, HR Management for wage calculations etc.



Distinctive System Features

- **Active Directory Integration**
- **Interactive Guard Tour**
- **Integrated and Independent Elevator Control**
- **Integrated and Independent Input/Output Monitoring**
- **Web and Mobile Interface**

Advantage of powerful Watch*NET* Access Software

1	Server Client Architecture
2	Web Server Application for multi-location projects
3	Powerful software manages multiple tasks using Windows 7 and Win 8 Professional Versions
4	Supports databases such as MSSQL and MS Access
5	Windows Active Directory integration
6	Easy Icon based navigation
7	Time Attendance System module
8	Visitor Management module
9	Choice of colors & sounds for every event
10	Auto Detection of Controllers on the network
11	Auto or Manual Backup of the Database Exporting Events
12	Searching / Add / Delete quickly
13	Interactive dynamic maps
14	NVR / IP Camera Video Integration
15	Event Email Notification
16	Pop up screens on specific events
17	Highly secure encryption algorithm
18	Fully integrated Fingerprint registration process
19	Client Meeting Management module
20	Badge printing module
21	Mobile App
22	Interactive Guard Tour
23	Integrated and Independent Elevator Control Integrated
24	Independent I/O (input / output) Monitoring Web and Mobile Interface
25	SDK / API shall be provided for 3rd party integration
26	eMap with configurable camera positions
27	Event notification email, SMS and Alarm center
28	Live View Verification
29	Dual-card verification (Identity specific)
30	Local and Global anti-passback
31	Local and Global event alerts
32	Parking control IN/OUT Management
33	IN/ OUT person counting with name display (Displays who is in the building and who is out)
34	VLAN and small packet transmission
35	Controllers available in 2,4,8 door configurations
36	Editable Weigand format for custom configurations
37	Video and Alarm integration
38	Live view POPUP for DVR up to 32 ch

Additional features can be added at any time by License Upgrade

Biometric Integration

- Biometric Integration – allows the use of Biometric readers in addition to card readers
- The Biometric database is managed from the software without the need to use 3rd party software
- Enrollment done as part of adding or editing user

CCTV Integration

- CCTV Integration provides full integration with Watch*NET* CCTV systems
- Live view by “clicking” the camera icon
- CCTV Screen supports dual screen for simultaneous Access Control and CCTV monitoring
- Event Recording can be configured as response to any of the Input – Output events. The software will download the Video Clip or Still Picture as configured
- Video Clips and Pictures are stored in separate folders ensuring sustainable records regardless of DVR or Camera memory situation
- Most CCTV equipment supports remote view and smart-phone access

ALARM Integration

- Full integration of Alarm systems

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