Access Control and Integrated Security Management System

V-Secur™
An Enterprise Security Solution
Overview

V-Secur™ offers powerful, easy-to-use, IT friendly, integrated security management for growing businesses. V-Secur™ is more than just access control and monitoring system it is a complete security management solution. Seamlessly integrated in a single application, V-Secur™ uses Microsoft® technology standards that make it easy to implement, operate and support. V-Secur™ provides cost-effective scalability to meet the needs of any size organization, from a small office to a multi-site enterprise.

Standard Features

- Access rights for grouping doors and other controlled devices with time schedules to provide increased flexibility over traditional access levels
- Unlimited access rights, issuable per person
- Time & Attendance (T&A) data collection
- System-wide local or global access control logging.
- Solution can be deployed in centralized and/or in distributed environment.
- Advance leaves and shift management.
- Integrated vehicle, Asset and visitor management modules.
- Integration with CCTV infrastructure.
- Advance access management using integration with Active Directory.
- Fire Alarm and Elevator control with floor tracking.
- Schedulable online/offline features.
- Access-based intrusion zone control for arming/disarming secured areas
- Advance employee identity card printing module.
- Schedulable events for automatically switching between card only, biometrics and keypad, and keypad only operation, based on desired level of security by time of day.

V-Secur™
An Enterprise Security Solution
Power and Ease-of-Use

V-Secur’s intuitive graphical user interface incorporates many Microsoft standards, including quick, right-click mouse button form navigation with data access, context sensitive on-line help, and national language support. V-Secur’s implementation of industry standards Microsoft technologies provides a system that most security, HR, IT and other business professionals are already familiar and comfortable with.

High Availability and Flexibility

Designed as a mission critical application, V-Secur™ is built on Microsoft Windows technology, leveraging Microsoft’s latest database replication and cluster services to provide a fault tolerant, as well as fully distributed SQL Server database architecture with endless expansion capabilities. V-Secur’s database independent, provides the ability to replicate, in real-time, database information safely across multiple servers. This allows the contents of each regional database server, which can be geographically located anywhere in the world, to be published across all other regional servers—creating a truly distributed database architecture. Regional servers can also be configured for failover schemes between regions for high availability solutions. In addition, V-Secur’s flexible architecture provides the ability to be configured as a single server system or with a designated database server and one or multiple communication servers.

Communications servers can be configured for automatic fail-over providing redundant paths of communication to ensure that Alarm and Activity monitoring continue uninterrupted in the event of an outage. System administration and monitoring may be performed from any V-Secur™ communication server.

IT Friendly

V-Secur™ provides complete security system management and integration over standard LAN/WAN infrastructure. V-Secur™ system components are designed to be fully deployed over local and wide area network; this includes all workstations, a access control and alarm monitoring panels as well as digital video recorders for video surveillance. Complete system administration and monitoring can be performed from any V-Secur™ workstation on a network. This means greater system management and monitoring capabilities for remote multi-site applications, with a far more cost-effective and reliable installation.

Seamless and Open Integration

V-Secur™ provides a single user interface for integration of the most common mission critical security applications. V-Secur’s core access control and monitoring capabilities serve as a cornerstone for building a completely integrated security management system, including photo ID badging, video surveillance, full system database reporting, true open database connectivity, and an open application program interface (API) for addressing customer specific integration requirements. V-Secur’s open architecture database and application components are designed for integration with external applications like Active Directory®, industry Standard ERP like SAP, Oracle, Lotus Notes, etc and allowing real-time data exchange with other security and enterprise business systems.

Distributed System Architecture

V-Secur provides maximum flexibility for communications connectivity between system components, workstations and the security management system database server, achieving better load balancing as the system grows for optimized system performance. All access control and monitoring decisions are made and processed at the application hardware controller level, providing local real-time response while minimizing network traffic and eliminating or reducing host system decision dependences. Because distributing system administration and monitoring capabilities is just as important, V-Secur also provides logical partitioning of the system database by facility or area of responsibility. System operators can be assigned management, control and monitoring of any and all areas as required. V-Secur’s database partitioning effectively distributes system administration and management across an organization, reducing the burden of day-to-day operations from a centralized security department.

Lower Total Cost of Ownership

V-Secur is designed for simple and cost-effective system implementation and maintenance, guaranteeing long-term investment protection. V-Secur™ offers a complete line of licensable configurations and software options to cost-effectively meet the security needs of any size organization. Whether needing to secure a small office or a large multi-site enterprise, an organization can avoid unnecessary investment up front by starting small, and easily upgrading capacities and system options as needed. Its build in auto-update upgrades over time can represent significant maintenance cost, V-Secur uses enhanced windows update technology to remotely download upgrades from V-Secur™ online portal without requiring deployment of technicians. Updates not only upgrade software application but also update firmware of hardware installed quickly and efficiently while the entire V-Secur system remains operational—drastically reducing downtime and total cost of ownership.

Monitoring and Control

- Manual and schedulable Customized multi-stage alerts for attendance and a access control.
- Real-time transaction and monitoring of hardware.
- User definable workflow as responses on alerts.
- Alarm monitor for operator assessment and acknowledgment.
- Alarm graphical viewer.
- Trigger based CCTV integration for live view.
- E-mail and pager alert notification.
- Control, monitor, and query for system device status including workstations, controllers, readers, points, and intrusion zones.
Graphical interface to easily create complex time intervals and define time, event, and mode schedules.

Web-enabled and thin client-enabled management console.

**System Administration and Management**

- Scalable multi-time zone support configurable on central server.
- Highly customizable report builder with user definable templates including data grouping, sorting, and filtering.
- Advanced T&A reporting with hour calculation, time rounding, and history transaction override generator.
- Microsoft open standard SQL database that is ODBC/OLEDB compliant with built-in triggers for real-time updates of personnel information from external database applications.
- Dynamic search capability on any user-defined fields.
- Flexible group management for multiple personnel and badge records mass changes is required.
- Context sensitive on-line help.
- Built-in system diagnostics manager for local and remote support.
- Network-deployed V-SEcur software updates.

**Software Modules**

**Advance Management Console**

- User management with user defined fields.
- Access rights and user policy management.
- Vehicle and Asset tagging for identification and theft prevention.
- Centralized application access, reporting and integration management.
- Data reconciliation and audit reporting.
- Automated Archival and database restore features.
- Vertical as well horizontal hierarchy support.
- Shift management and cooperative calendar for holidays.

**Integrated Photo ID Badging**

- Capture and display personnel photos and signatures.
- Design and print custom photo ID credentials.
- Enable photo ID badge production capabilities on any workstation.
- Batch photo ID printing.

**Web-based Report Management**

- Deploy access to standard and custom reports for enterprise-wide information delivery.

- Serve up to 50 concurrent users via standard Web browser.
- Supports database partitioning to filter report data based on assigned operator facilities.
- Custom report builder and designer.
- Advanced leave management.
- Single Sign-On.

**Visitor Management**

- Scan NIC, licenses, passports, and business cards automatically to register visitor.
- Printing of customized badges for visitors.
- Scalable from a single system to a network of hundreds with centralized management.
- Import your employee list from any database or Active Directory.
- Multiple, programmable security alerts on screen and via e-mail/SMS.
- Enterprise-wide, web-based pre-registration system.
- Card scanning for quick check-out and multi-day visitors.
- Tightly integrated with Access Control Systems.
- Feature rich and fully customizable Kiosk Mode for self-registration.
- Track Visitors, assets, and packages from a single integrated application.

**Vehide management**

- Customized vehicle registration fields.
- Signal vehicle registration interface.
- Multi-gate vehicle tracking and logging.
- Parking space management.
- CCTV Integration for video verification/identification.
- Automatic Road barrier integration.
- Time-in/Time-out logging.

**Asset Tracking & Theft prevention**

- Asset movement tracking and logging.
- Trigger based monitoring in case of theft.
- Multi-Zone tracking and movement of asset.
- Asset association with employee.

**Dashboard**

The V-SEcur™ Dashboard is a fully customizable tool used by decision makers to keep track on the time that each employee spends in the office. Using this tool enables decision makers to:

- Conduct corporate level analysis with respect to employee attendance.
- Generate cross-departmental reports.
- Generate performance indicator graphs.

**Map View**
The Map view module coupled with the classic video-based surveillance provides real-time tracking of employees in physically secure areas of the premises, by the interaction with RFID readers installed in various locations and generating an audit log. This audit log is then used by the Map view personnel tracker feature of the module to visually display the geographical of employees around physically secure areas in real-time. The module enables:

- Receive alerts for unauthorized activity in your premises via email or SMS.
- Activate CCTV device installed in and around physically secure areas in the event of an unauthorized activity.
- Restrict Access to physically secure areas.
- Manage multi-storey office premises.

**Integrated Digital Video Surveillance**
- Real-time event driven camera control.
- Quick launch video feature for access, direct from alarm and activity event monitors.
- Automatic video pop-up on alarm events.
- Access live events from any workstation.
- Simultaneous viewing of video across multiple cameras.

**V-Secur Editions**
Cost-effective scalability without sacrificing enterprise-class features and performance.

**V-Secur™ - Standard Edition**: For single site management suit packaged to address the needs of smaller businesses. Standard edition is designed exclusively for signal seat and easy to install and configure and start up to 4-door systems, while allowing up to 1000 users. This edition only support SQL Express edition.

**V-Secur™ - Enterprise Edition R**:Active Directory Integration System with multi-regional Access Control and Time & Attendance packaged to address the needs of medium to large businesses. Advance reporting module with single sign-on, Batch card printing, and advance leave management, up to 20 built-in reports, unlimited user policy definition and customized workflows. The solution can be deployed on multiple servers. Database independent, automated data reconciliation and executive dashboard are advance features of enterprise edition.

**V-Secur™ - Enterprise Edition UR**: Provides distributed database replication a cross multiple regional servers allowing for endless expansion. Regional servers can also be configured for failover schemes between regions for high availability solutions. The contents of each regional database server, which can be geographically located anywhere in the world, is replicated across all other regional servers as well as the global server—creating a truly distributed database architecture.

**System Requirements**
Server and client workstations require a Windows XP/2003/Win 7/2008 compliant PC, configured with a minimum:* Pentium or compatible – 2 GHz or higher CPU, 2GB RAM, 10 GB HD, CD-ROM.* Actual requirements may vary; increasing memory and processor speed improves performance.
## Specifications

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<td>ACS and Time &amp; Attendance</td>
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<td>Access Control</td>
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<td>Time &amp; Attendance</td>
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<td>Leave Management</td>
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<td>Card Designing &amp; Printing</td>
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<td>Policies/Work flows</td>
<td>Upto 4 Doors &amp; 1000 Users</td>
<td>Upto 10 Doors &amp; 10,000 Users</td>
<td>Unlimited User &amp; Doors</td>
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<tr>
<td>Executive Reports</td>
<td>Up to 5</td>
<td>Unlimited</td>
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<td>Database Support</td>
<td>SQL Express Database</td>
<td>Database Independent</td>
<td>Database Independent</td>
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<td>Active Directory Integration</td>
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<td>Single/Multi Server Deployment</td>
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<td>Database Independent Support</td>
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<td>Centralized &amp; Distributed Deployment</td>
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<td>Executive Dashboard</td>
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<td>Single Sign-on</td>
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<td>Visitor Management Module</td>
<td>Single Reception</td>
<td>Up to 5 Reception</td>
<td>Up to 100 Reception</td>
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<td>Vehicle Access Control Module</td>
<td>Single Gate</td>
<td>Up to 5 Gates</td>
<td>Up to 100 Gates</td>
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<td>Asset Access Control Module</td>
<td>Single Entrance/Exit</td>
<td>Up to 5 Entrance/Exit</td>
<td>Up to 100 Entrance/Exit</td>
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<td>Map View/CCTV Integration</td>
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<td>Up to 5 Entrance/Exit, Up to 10 Floors</td>
<td>Up to 100 Entrance/Exit, Up to 10 Floors</td>
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