



HISEC

INTEGRATED SECURITY SYSTEM

The HISEC Integrated Security System is a unique and flexible solution for all your Intrusion, Alarm Monitoring, Access Control, and Video requirements. This sophisticated system has been specifically designed to meet the demands of today's security professionals.

Each ThorGuard Intruder & Holdup Alarm System (I&HAS) can be operated by users at remote keypads or reader terminals, with designs available for internal and external use. The ThorGuard Management Software (TGMS) then integrates a virtually unlimited number of systems together for larger or more complex applications.

The flexibility of the system is further enhanced with truly integrated Access Control, performed at terminals connected to the same bus wiring as the keypads, simplifying cable runs and reducing installation time. Up to 900 terminals are supported on a single sub-system.

The Management Software is a flexible application that includes all management and configuration functions as well as offering the option to increase the system capacity by integrating individual sub-systems into a single security system.

The HISEC Integrated Intrusion, Access Control and Video security system is extremely secure, with a high degree of flexibility rarely seen in other intrusion or access control systems.

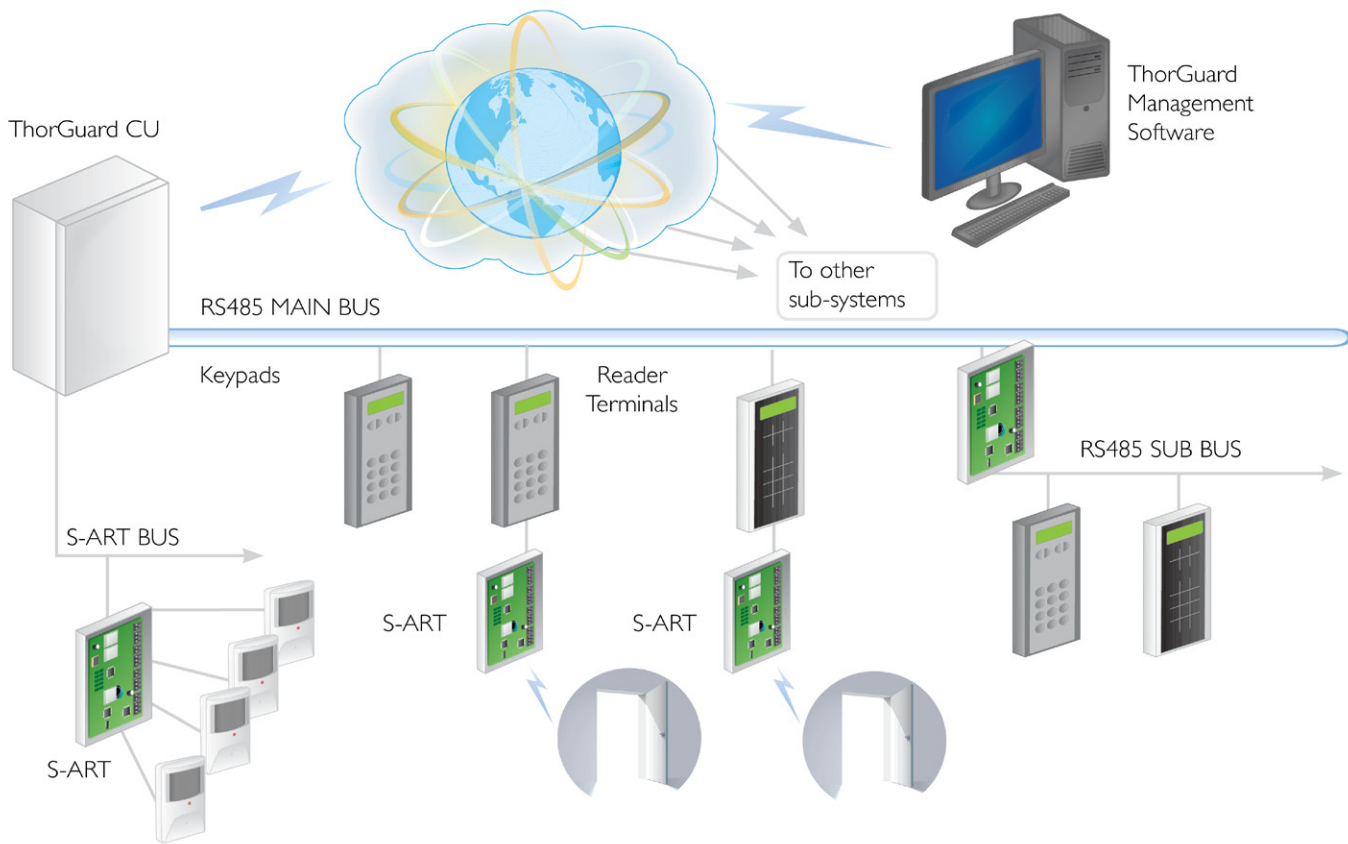
The maximum capacity of a single sub-system is:

- 900 access control terminals
- 65,000 active cardholders
- Up to 30 Control Units (CUs) per sub-system, each CU with:
 - 30 remote keypads
 - 480 detectors in 64 zones
 - 250 intrusion users
 - 1000 alarm event log (unlimited within the Management Software)

The ThorGuard Management Software is then used to integrate any number of sub-systems into one or more progressively larger systems.

KEY FEATURES

- Virtually unlimited system capacity using the ThorGuard Management Software to integrate individual sub-systems
- Up to 900 Reader Terminals per sub-system
- Up to 480 detectors and 30 remote keypads per CU, with up to 30 CUs per sub-system
- Manages up to 65,000 active cardholders
- Serial, modem or IP interconnectivity
- Multiple card formats
- Approved to TS50131-3 and EN50131-6 to Security Grade 3
- Familiar Microsoft SQL Database
- Compatible with Windows™ XP Professional, Windows Server 2003, Windows 7 and Windows Server 2008
- Supplied with MSDE and compatible with SQL2000 and SQL2008



INTEGRATED SECURITY

Integrating Intrusion, Access Control and Video provides a number of significant benefits:

- Increased security with fewer false alarms
- User-friendly operation
- Video linked to events for easier recall and viewing
- Modular system architecture adaptable to the ever-changing environment
- Low cost of ownership

Applying traditional security systems can result in the installation of parallel product ranges within the applications of Access Control, Intrusion and Video. In many cases these could come from different manufacturers.

The customer could be faced with several cable structures supporting individual applications.

They can experience different operating philosophies and may have problems establishing relationships between alarms, events and images. Custom designed interfaces often have to be developed and service can become a complicated issue.

System intelligence is often centralised with a star topology, making the level of security dependant on the availability of the centralised controllers. Expansion can often result in extensive cable works and installation of additional controllers if no spare capacity is available.

The future is Truly Integrated Security Systems.

With the HISEC system, all components have been developed with full integration in mind, whilst still being capable of operating as independent intrusion, access control or video systems.

Fully integrated components share the same cable network and power sources, and use the same operating philosophy throughout the entire system. This provides a high degree of modularity, making the system adaptable to virtually any environment and easy to install.

The common theme throughout the system is Distributed Intelligence. This ensures that components will continue working, even if one part of the system fails. Fault tolerance is high and the risk of downtime periods is reduced to a minimum. Furthermore, by means of the built-in test functions, the Distributed Intelligence assists the service and maintenance engineers with a minimum of inconvenience to the customer.

An Access Control Reader Terminal can be a common User Interface for both Access Control and Intruder functions to provide a logical and easy user-interface. As an example, false alarms are minimised as presenting an authorised card at a Reader Terminal will unset the area behind the door before unlocking the door.

By sharing the same cable infrastructure, the Video System is in constant connection with all the other system components. Storing of event and alarm triggered images does not require any additional hard wire connection, but is set-up directly through the software.

The modular system structure with distributed intelligence meets the requirements of present and future security solutions. As a result customers experience a system with low cost of ownership that meets their demands for user friendliness, scalability and efficiency.



INTRUSION

The HISEC ThorGuard Intrusion & Holdup Alarm System is a highly sophisticated and extremely expandable alarm system. It has been tested and approved to the following European standards for Intrusion & Holdup Alarm Systems to Security Grade 3, Environmental Class 2:

- TS50131-3: Control & Indicating Equipment
- EN50131-6: Power Supplies

Each sub-system can support up to 30 CUs, each CU being able to monitor up to:

- 480 detectors, divided into 64 individual zones
- 250 users
- 30 Remote Keypads

The intrusion system can also be set and unset from Access Control Reader Terminals, and a variety of Remote Keypad / Reader Terminal designs are available for internal and external use.

- Intrusion, Access Control and Video integrated at hardware and software levels for optimum reliability
- Ideal for large multi-site applications or high security systems such as banks
- Secure application with site code and software licensing
- Client / Server ThorGuard Management Software (incl. thin client)
- Predefined profiles to simplify configuration
- Enhanced Alarm Management facilities including alarm sound by priority, free programmable priorities, programmable procedure handling, predefined handling reports, grouping of alarms etc
- PIN code management
- Graphical presentation for ease of operation
- Remote management of each sub-system
- Flexible report generator
- Microsoft SQL database



ACCESS CONTROL

Access Control is performed at Reader Terminals connected to the same bus wiring as intrusion keypads, simplifying cable runs and installation. Each sub-system can support up to 900 Reader Terminals, and up to 100 of these Reader Terminals can be used for setting and unsetting the intrusion system. Further expansion is provided by the ThorGuard Management Software by integrating individual sub-systems into one or more larger systems.

The system can support up to 65,000 cardholders across 250 access groups, and the extensive use of "week programs" simplifies configuration while maximising the flexibility of the product.

For more information on HISEC Access Control and the card technologies supported please see the Access Control datasheet.

- Multiple card technologies including Mifare, DESFire EV1, Wiegand, Deister, HID, mag-stripe and Chip ID
- Full door status and control from menu or graphic
- Sub bus architecture for design flexibility
- Multiple week programs
- Elevator control
- Programmable card dialog lay-out and number of fields
- Support for free card format with learning reader
- Image badging option

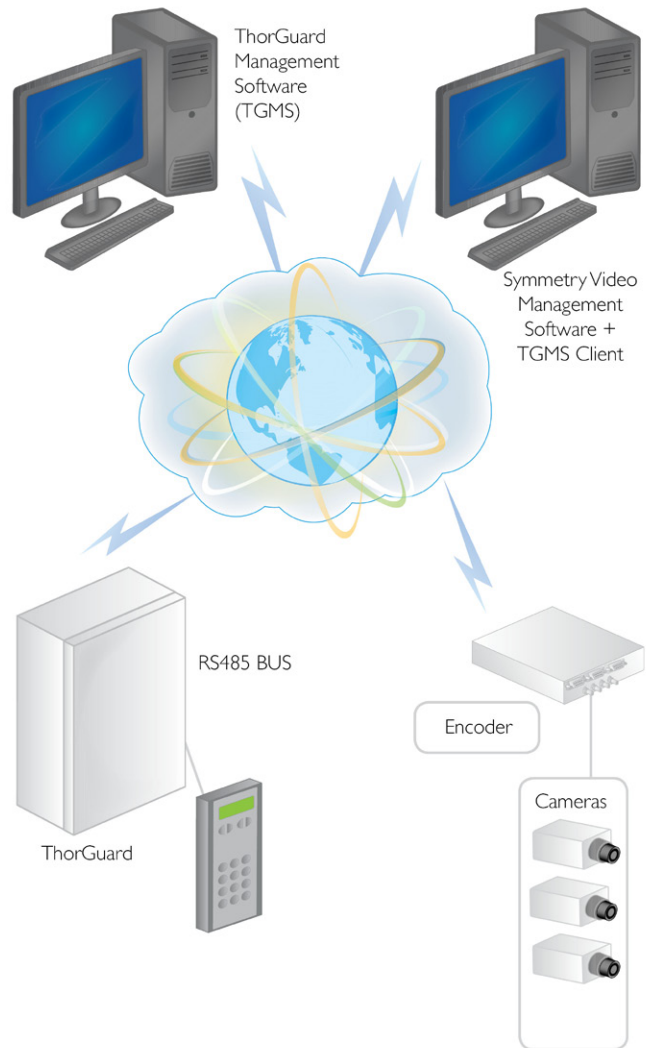
MANAGEMENT SOFTWARE

The ThorGuard Management Software is a flexible software package encompassing Alarm Monitoring, Access Control and Intrusion Management and system configuration. The software uses a Microsoft SQL database, and is compatible with the Windows operating system.

Connection between the Management Software and the sub-systems can be via modems or IP connections, or a serial port for secure on-site operation.

VIDEO INTEGRATION

The ThorGuard system integrates with Symmetry Video Management Software to provide the user with a single point of operation to manage all functions of Intrusion, Access Control and Video.



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