

Pinnacle™

*Covering Your Access Control
Security from Start to Finish*

Sielox

Scalability from entry level to enterprise

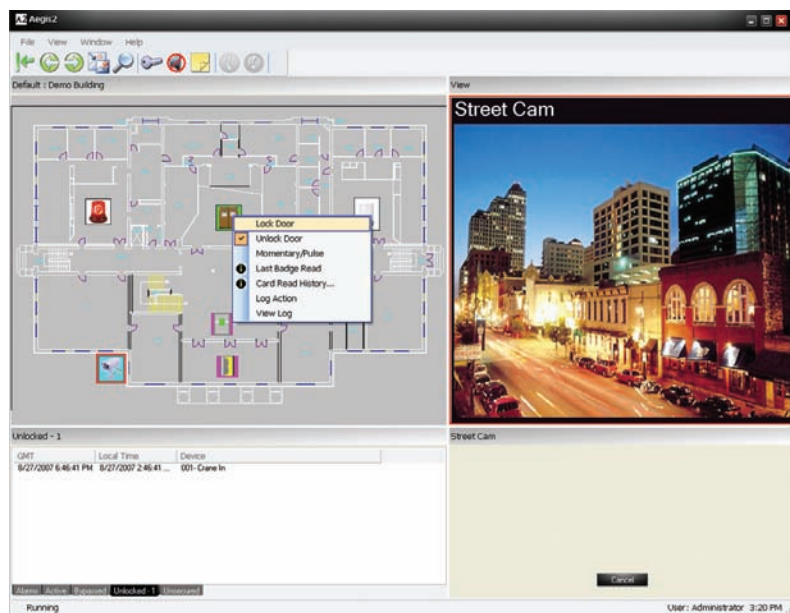
Unlimited expandability for ongoing growth

Wide-ranging administrative option settings

Compatibility with leading 3rd party solutions



Aegis2 is Sielox's cutting edge graphical command and control integration software.



The Definitive Security Solution

Sielox has been a leader in access control since 1979. Introduced in 2003, Pinnacle's set of core features, complete compatibility with Sielox 32-bit controllers, and seamless integration with products from renowned partners, all give you an unmatched—and growing—resource for advanced system design.

Scalable from Entry Level to Enterprise

Pinnacle is Sielox's next-generation, feature-rich event management system. Now you can have greater control over your company's security, whether for a small office or a building campus with multiple access security points. Pinnacle systems are available in four configurations— Lite, Standard, Plus, and Professional—providing you the ideal match for your access control needs today, with scalability to meet future growth.

Unlimited Expandability

Add employees. Increase your space. Exceed your design specs. Pinnacle will be ready with unlimited support, enabling you to easily handle the number of on-line readers, cards and cardholders, client workstations, and addressable controllers you require. Further leveraging Pinnacle's unlimited administration options for settings such as access levels, time zones, groups and cardholder customer fields.

Agile Development

Sielox has adopted the Agile Methodology for software development, taking the quality and reliability of the software to today's highest standards.

Aegis2

Aegis2 is Sielox's cutting edge graphical command and control integration software. It can be installed on the same computer with Pinnacle or separately. It supports multiple workstations.

Create your maps from existing AutoCAD, JPEG, BMP, and many other file formats. Drag and drop cameras, intercoms, doors, readers, inputs and outputs and more to a map and control them with a mouse click. Events can pop-up video on the screen and start DVR recording. Aegis2 integrates with most of the major CCTV, DVR, intercom and serial alarm devices.

Pinnacle™

Your Integrated Access
Control Platform

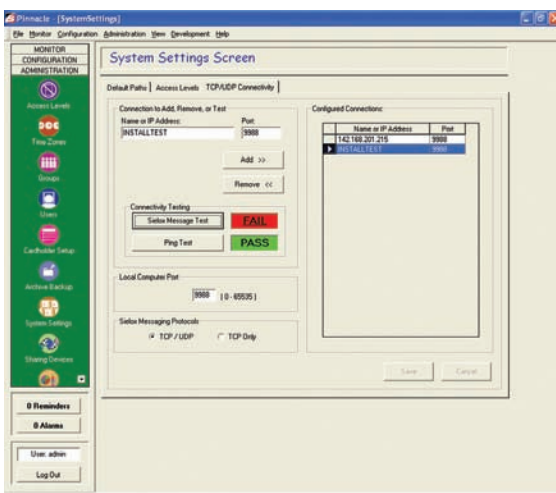
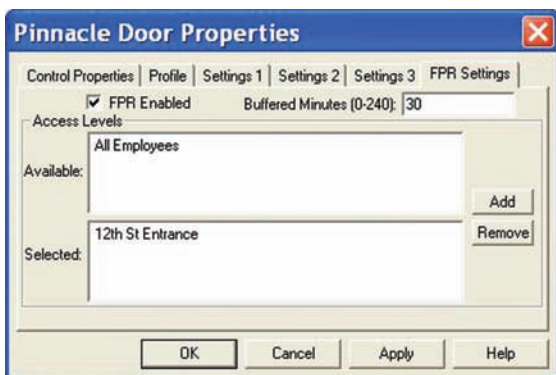
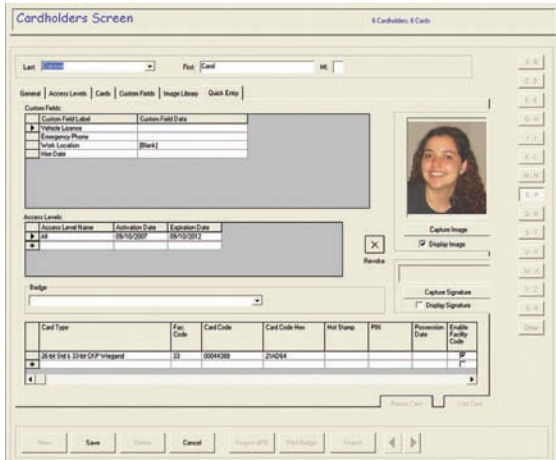
System developed and manufactured entirely by Sielox

Intuitive GUI simplifies set-up, training, and operation

Enables multiple passwords and permissions per user

Simultaneous security coverage of separately defined regions

SQL database ensures IT compatibility and modular development



Security System Administration and Control

Pinnacle puts the cardholder first. During set-up, cardholders can be assigned a variety of access levels and multiple cards, with Pinnacle supporting an unlimited number of badge formats. Libraries of up to nine images per card record can also be built. Card history data can be archived for future variations. Devices are easily configured, set up, and operated. An overall display of your security network is available via the Pinnacle event monitor, with four window views for unequalled control flexibility. A wide range of event filters manage the display and provide alarm notifications via "pop-up", e-mail and ".wav" settings.

SQL Database Management and System Partitioning

Pinnacle uses a Microsoft® SQL Server to ensure IT compatibility and ease of management. Database partitioning is also offered as an option, allowing a single Pinnacle System to be divided into smaller independent operations. Central administration and shared devices are both fully supported. By leveraging today's technology, Pinnacle works with the latest operating systems, and provides the stability required of any access control system.

System Integration with Sielox Controllers

Pinnacle works seamlessly with Sielox's newest 32-bit controllers, enabling flexible and cost-effective designs. Legacy 16-bit and 8-bit controllers are also supported ... no controller left behind! Advanced set-up also supports distributed architecture, allowing the use of multiple hardware controllers for improved communications efficiency.

Elevator Control

Pinnacle supports up to 60 floors per a fully populated AC-1500 controller panel, giving you elevator access control that no other security product can match. The unique Access Level Output Control (ALOC) functionality defines the time zone during which a cardholder has access to their assigned floors.

Photo ID Badging

Pinnacle supports all TWAIN and WinTab devices, simplifying image capture and badge creation. Simple on-screen editing features include color, brightness, and contrast control, along with image cropping and red-eye removal.

First Person Rule (Snow Day)

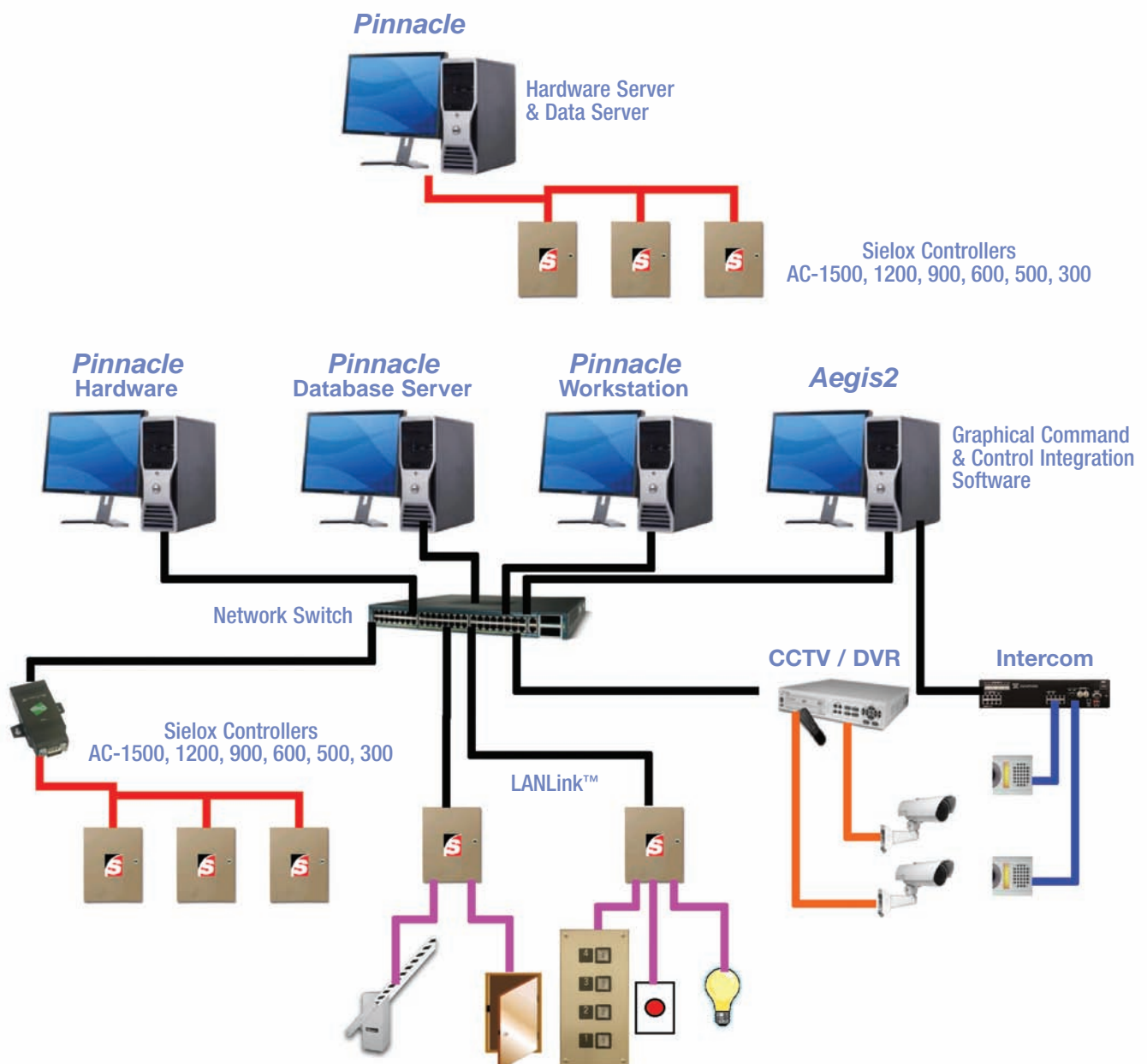
Any door scheduled to be unlocked via Time Zone, will not do so until an authorized card holder is admitted prior to the unlock schedule.

System Network Setup Tool (TCP / UDP Switch)

This new enhanced network tool helps setup Pinnacle workstations and IP Tunneling table. Includes OS Ping and Sielox Message ping tools.

Sielox System Achitecture

Sielox has a flexible architecture that allows **Pinnacle** and **Aegis2** to run on a single computer or on multiple computers and workstations across the network.



Pinnacle™ Software Series – Open. Modular. Scalable. Intuitive. Pinnacle meets the demands for more precise control, greater flexibility, and enhanced security for facilities ranging in size from a small office with a single entrance to a building campus with multiple entry points.

	Lite	Standard	Plus	Professional
Number of Online Readers¹	32	64	128	Unlimited
Number of Cards	2,000	4,000	10,000	Unlimited
Client Workstations	Single User	1 to Unlimited	1 to Unlimited	1 to Unlimited
Addressable Controllers	Unlimited	Unlimited	Unlimited	Unlimited
Time Zones²	Unlimited	Unlimited	Unlimited	Unlimited
Total Access Levels³	Unlimited	Unlimited	Unlimited	Unlimited
Individual Expiring Access Levels per Cardholder⁴	99	99	99	99
Number of Cardholder Custom Fields	Unlimited	Unlimited	Unlimited	Unlimited
Alarm Levels (with advanced alarm notification)	99	99	99	99
Holidays	32	32	32	32
User Privileges	Included	Included	Included	Included
First Person Rule (Snow Day)	Included	Included	Included	Included
Event Filtering (w/ email support)	Included	Included	Included	Included
Local, Regional, and Global I/O Links⁵	Included	Included	Included	Included
Hardware COM Server Licensing⁶ (Multi-Hardware Server support w/Universal I/O linking)	N/A	N/A	N/A	Optional
Access Level Input and Output Control	Included	Included	Included	Included
Multiple Card Formats	Included	Included	Included	Included
System Reminders	Included	Included	Included	Included
Scheduler (for recurring functions)	Included	Included	Included	Included
Remote Dial-up	Included	Included	Included	Included
Standard Reports	Included	Included	Included	Included
Database Partitioning	N/A	Optional	Optional	Optional
Custom Report License⁷ (with use of Crystal Reports)	N/A	Optional	Optional	Included
Photo ID Badging⁸	Optional	Optional	Optional	Optional
Visitor Management	Optional	Optional	Optional	Optional
Aegis2 - Graphical command and control integration software	Optional	Optional	Optional	Optional
Software Dev. Kit (SDK)	N/A	Optional	Optional	Optional

Standalone Application Utilities Built With Pinnacle's SDK

EventLink : Cardholder's image displayed with a corresponding reader event
Administration Management : Scan for unused/unnecessary items

Library I/User Interface Utilities (Included)

Door Icon and Extended Door Control: Unlock, lock or temporarily unlock selected doors

Library II/Functional Utilities (Included)

Event Counter: Increment and decrement a counter based on user-defined events
n-Man Rule / Occupancy Restrictions: Set occupancy rules based on count, time, and cardholder use
Independent Report Processor: Execute reports for pre-configured templates and formulas
Email Report Scheduler: Schedule Pinnacle report generation with direct emailing

¹ The starting recommendation for LANLink is to limit the number of readers to 512 per Hardware COM Server (equivalent to 256 TC modules per Hardware COM Server); 16 or less Main Controllers should be the target limit per COM port

² Although Pinnacle supports unlimited Time Zone assignments, 16-bit and 32-bit controller storage limits Time Zones to 64 per TC module (2 fixed as "never" and "always")

³ Although Pinnacle supports unlimited total Access Levels, each TC module is limited to 256 total access levels (also see individual cardholder limitations below)

⁴ Pinnacle supports 99 individually expiring Access Levels per cardholder with up to three per cardholder sent to respective TC modules in order of set priority for each cardholder; server authorized enhanced assists are initiated for cardholder Access Levels of lower priority

⁵ Local = I/O linking within the same TC module; Regional = I/O linking within the same AC-900 Main Controller (not applicable with LANLink controllers); Global = I/O linking across AC-900 Main and/or LANLink Controllers within the same server

⁶ Hardware COM Server (Multi-Hardware Server) architecture supports Universal I/O linking across hardware servers

⁷ Crystal Reports not included

⁸ Licensing varies with different Pinnacle levels

Minimum Requirements: Pinnacle Server and Client Workstations

Operating System (OS Not Included)	Lite, Standard, Plus, and Clients: Windows® 2000 Server w/SP4 OR XP Professional w/SP2 OR Server 2003, Standard Edition w/SP1 (see notes) Professional: Windows 2000 Server w/SP4 OR Server 2003, Standard Edition w/SP1 (see notes)
Database Engine	See the SQL guidelines below
Free Hard Disk Space	1 GB hard disk space
Processor (see Notes)	Lite, Standard, Plus, and Clients: Pentium® III 1.0 GHz Professional: Pentium 4 2.4 GHz
Memory (see Notes)	Lite, Standard, Plus, and Clients: 512 MB Professional: 1 GB
CD-ROM	10X or higher
Monitor/Video	17" SVGA (1024 x 768)
Network Card	10/100 Base T
Mouse	PS/2, USB, or Serial bus type
Ports	4 USB or 2 serial and 1 parallel
Modem	V.92, V.90, V.34 or V.32
Sentinel (required)	Included USB

Microsoft SQL Server 2000 w/SP3a Database Engine Guidelines

Lite, Standard, and Plus:

Microsoft SQL Server 2000 Desktop Engine (MSDE) included; greater than 128 readers or 10K cardholders or 5K events per hour or 4 client workstations or database partitioning requires the use of MS SQL Server 2000, Standard or Enterprise Editions (not included)

Professional:

Standard or Enterprise Editions required (not included).
MSDE is included only to start.

Notes

- Certain Pinnacle screens, such as the device tree, requires MS Paint to be resident on your computer (included with Windows).
- Actual requirements may vary; increasing memory and processor speed has been found to improve performance.
- Specifications and availability are subject to change without notice.
- When installing Aegis2 and Pinnacle on the same computer 1 GB of RAM is required for Pinnacle Lite and Standard and 2 GB for Pinnacle Plus and Professional.



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