

*Pinnacle Lite
Now Available!*

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
- Growing library of advance features
- Compatibility with leading 3rd party solutions



The Definitive Security Solution

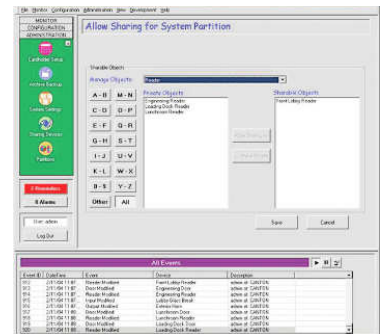
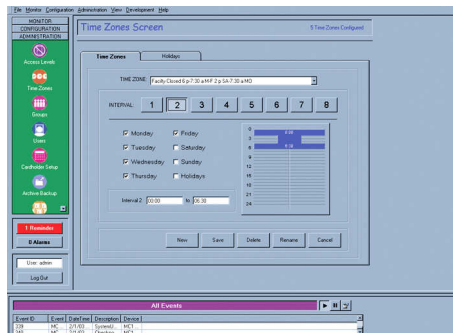
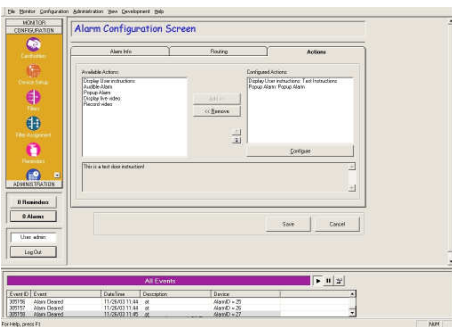
Sielox has been a leader in access control since 1986. Introduced in 2003, Pinnacle's set of core features, complete compatibility with Sielox 32-bit controllers, and seamless integration with products from renowned partners, all give you an unmatched—and growing—resource for advanced system design.

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. Plus, at set-up or as you expand, further leverage Pinnacle's unlimited administration options for settings such as access levels, time zones, and cardholder customer fields.



Pinnacle™ – Your Integrated Access Control Platform

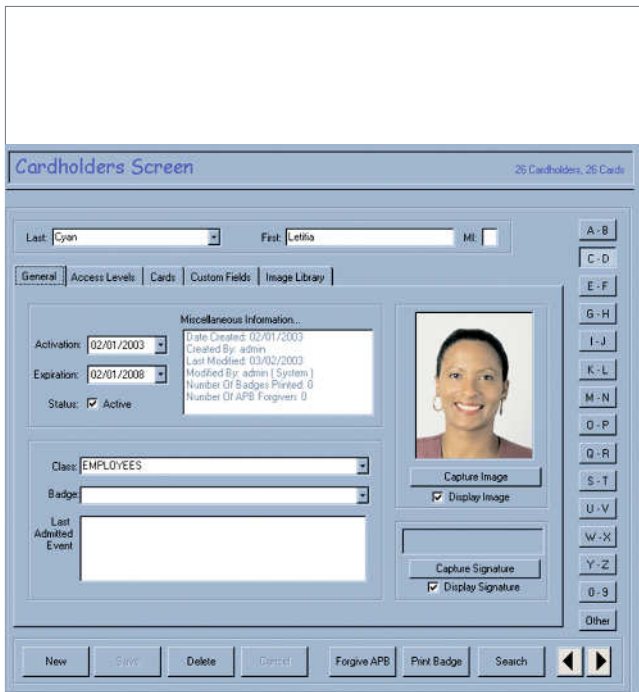
System developed and manufactured entirely by Sixel

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—which now include “pop-up” and “.wav” settings.

SQL Database Management and System Partitioning

Pinnacle uses 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 Sixel Controllers

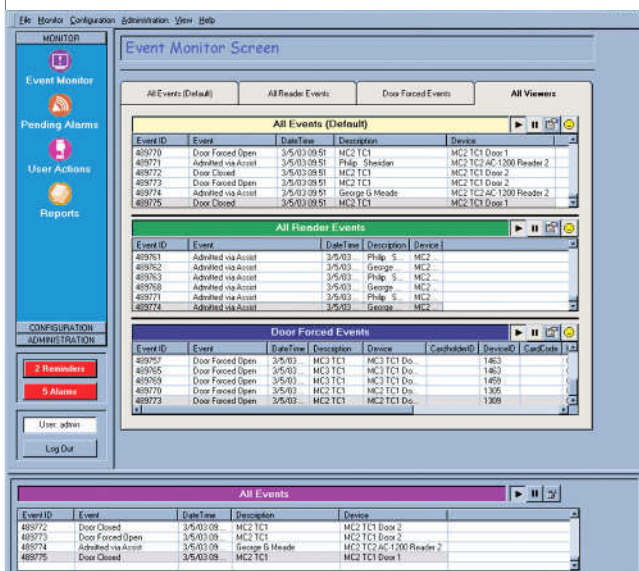
Pinnacle works seamlessly with Sixel's newest 32-bit controllers, enabling flexible and cost-effective designs—for single doors or multi-location enterprise systems. Advanced set-up also supports distributed architecture, allowing the use of multiple hardware controllers for improved communications efficiency.

Enterprise Solutions

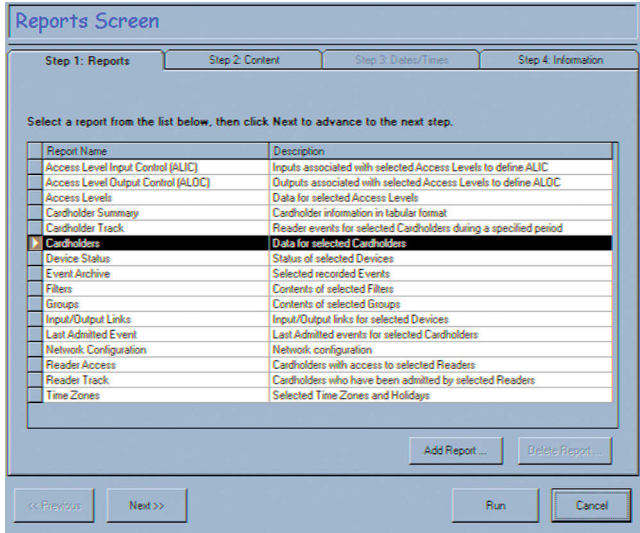
Pinnacle's system architecture and Sixel controllers can be easily configured to operate on your LAN or across your secured WAN. The modular format ensures compatibility for server/controller/workstation networking. An IP tunneling feature even supports communications in a multicast network environment. An SDK utility verifies network communications between a single server and connected workstations, or between multiple workstations across various LAN topologies—including those using routers and other network devices.

Remote Dial-Up

Through its remote dial-up capability, Pinnacle can communicate with main controllers over standard telephone wires. Remote site communications thus becomes another option in extending Pinnacle's enterprise reach.



Cardholder-centric database supports user variations
Support for limitless scalability via additional servers
Backward compatibility with all Sielox controllers
Direct wiring eliminates separate interface boards
DVR and CCTV integration



Unmatched Elevator Control Configurations

Pinnacle supports up to 60 floors per a fully populated AC-1200 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 elevator card readers.

Anti-Passback by Region

Anti-Passback protection can be easily established for each main controller zone. As designed, when the system is enabled, cardholders must leave secured areas using exit readers before Pinnacle grants them re-entry.

Extensive Report Options

Pinnacle offers an extensive library of standardized reports. Users can customize their own versions using formula queries and Boolean statements. Users familiar with SQL can create additional customized reports.

Photo ID Badging

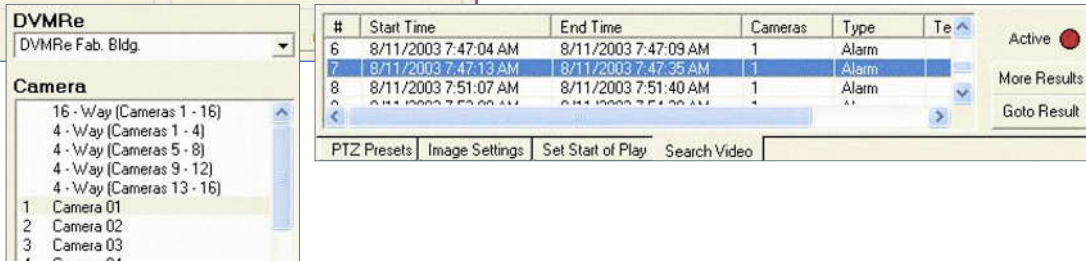
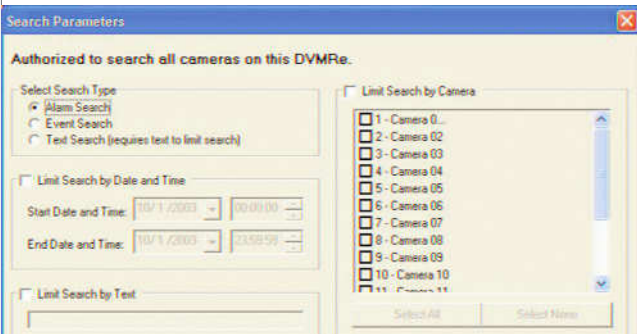
Pinnacle supports all TWAIN and WinTab devices, simplifying image capture and badge creation. Simple on-screen editing features include color, brightness, and contrast control, along with image cropping and red-eye removal.

DVR and CCTV Integration

A custom interface enables direct support for Kalatel DVRMe models. Events are linked to recorded video for easy storage and recall.

Customization for the Future

The Pinnacle system's SDK and VB environment simplifies integration with professional services products, including those that synchronize external databases, specialty features such as n-man rule, occupancy restrictions, and event counting, time-and-attendance offerings, door controls, and more. And, Pinnacle's open architecture allows for the easy addition of future functionality.



Pinnacle™

Covering Your Access Control Security from Start to Finish

Pinnacle® Software Series – Open. Module. Scaleable. 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 Readers ¹	32	64	128	Unlimited
Number of Cards	2,000	4,000	10,000	Unlimited
Client Workstations/ Operator Use	Single User Operator	1 to Unlimited	1 to Unlimited	1 to Unlimited
Addressable Controllers	Unlimited	Unlimited	Unlimited	Unlimited
Time Zones ²	Unlimited	Unlimited	Unlimited	Unlimited
Total Access Levels (Clearances) ³	Unlimited	Unlimited	Unlimited	Unlimited
Individual Expiring Access Levels per Cardholder ⁴	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
Event Filtering (including email support)	Included	Included	Included	Included
Local, Regional, and Global I/O Links ⁵	Included	Included	Included	Included
Hardware COM Server Licensing ⁶ (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
On-Screen Image Enhancement	Included	Included	Included	Included
Image Library	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
Multiple COM Ports	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 license with use of Crystal Reports v9.0 ⁷	N/A	Optional	Optional	Included
Kalatel DVMRe Interface	N/A	Optional	Optional	Included
Photo ID Badging ⁸	Optional	Optional	Optional	Optional
Visitor Management	Optional	Optional	Optional	Optional
Integrated Graphical Mapping (mid '06)	Optional	Optional	Optional	Optional
Software Dev. Kit (SDK)	N/A	Optional	Optional	Optional

Standalone Application Utilities Built With Pinnacle's SDK

EventLink (included): Cardholder's image displayed with a corresponding reader event
 Administration Management (included): Scan for unused/unnecessary items
Library I/User Interface Utilities – Optional with Pinnacle Lite, Standard, Plus, or Professional
 Door Icon and Extended Door Control: Unlock, lock or temporarily unlock selected doors
Library II/Functional Utilities – Optional with Pinnacle Standard, Plus, or Professional only
 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 (mid '06): 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	10/100bT
Mouse	PS/2, USB, or Serial bus type
Ports	2 serial, 1 parallel, USB
Modem	56.6 Kps
Sentinel (required)	Included USB or Parallel (specify w/order)

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

- Only Pinnacle v3.0 or later is certified with Windows Server 2003, Standard Edition; Windows Server 2003 Enterprise, Web, or Datacenter Editions have not been tested
- Windows-based firewalls must be disabled for use with Pinnacle
- 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



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