



More Power. More Flexibility. The ease of your current VMS meets the simplicity of "Pure IP" access control.

Delivering a truly comprehensive security solution involves the seamless integration of Video Management Systems and Access Control Systems. Until recently, the access control system (ACS) was primarily viewed as the command and control for an integrated ACS/VMS. Now, ISONAS delivers a solution that can empower VMS systems by putting them at the front-end of a unified system.

This solution provides users with a single powerful interface for controlling doors and managing ACS/VMS alarms and events. When alarms occur, video quickly alerts the staff of the situation. If further investigation is required, powerful alarm management features allow users to search, push, and update the status of ACS alarms, bookmarking these events for a comprehensive security management solution. This is all while continuing to use the familiar interface of their existing VMS.

Advanced video analytics integrated with access control give businesses an easy to manage and scalable security solution that doesn't require an additional security force.

Highlights

- At the edge intelligence & storage provides a fast solution to act, view and retrieve events
- Real-Time threat detection with instant event notifications and audio talk down help you prevent crime rather than just record it
- Instant Event Notifications surrounding physical access or video monitoring allow for quick reaction times



The Future: ISONAS Pure IP



Value Proposition

Proven Innovation

Our patented PowerNet™ reader-controller provides the first “pure IP” to the door solution that eliminates the need for a separate power supply, control panel and dedicated hard wiring.

Greater Value

Compared to traditional systems that require more equipment, labor and maintenance, the total cost of ownership is far less.

Total Flexibility

The ability to easily integrate with other systems and go where other access control solutions can't gives you the freedom to adapt to changing needs.

Benefits and Features

Simplicity

This is an all-in-one reader and controller device that is easy to install and connects through your Ethernet connection without the need for additional power at the door. It provides uninterrupted decision-making intelligence even when your network goes down. With over 64,000 permissions, zones, and custom scripts able to be stored on each reader-controller, the unit functions independently, and checks with the server on regular intervals for updates.

Built-In Intelligence

With the PowerNet, a traditional reader and controller are combined into one compact unit without a separate control panel. This supports decisions made locally at the access point, but programmed centrally.

If the network goes down, the PowerNet continues to operate without interruption and prevents a single point of failure within the system.

Enhanced Security

The data traveling between the PowerNet and the host can be encrypted using AES 256 bit encryption and remains encrypted on the reader itself. The optional Exterior Door Kit fully isolates the door lock's wiring from the exterior of the building to prevent disabling the lock. The PowerNet reader is equipped with an anti-tamper device, which sets off alarms if the reader is disturbed. The CAT5 sends an alert to the head end software if it is uncommunicative. The inherent features of an IP system minimize risk of external threat and increase the level of security.

Scalability

The PowerNet reader-controller sends mere kilobytes of data across its network, minimizing network bandwidth, latency and

server utilization. Manage thousands of reader-controllers on a single computer across a geographically disbursed network. Having a single PowerNet per access point makes your entire network easily scalable one door at a time and is significantly cheaper to install and operate.

Included Software

Crystal Matrix Software is included with the price of the reader with no additional licensing fees and an unlimited number of users and readers. Advanced features are available, such as anti-pass back, tenancy/partitioning, dual-authentication, elevator controls and custom scripting. The Crystal Matrix components are standard Windows applications.

A True Network Device

The PowerNet reader-controller is network addressable via static or DHCP addressing. Our “call home” feature seamlessly connects to the host computer. Anywhere that you can send an IP message, you can control a door or access point - simply monitor and control entry points across geographic locations. System-wide changes and “lock downs” can be performed extremely quickly on any or all parts of the system.

Adaptability

The Open Systems platform enables seamless integration with other systems, including SQL, TCP/IP, ODBC. The PowerNet controls access to doors, cabinets, lockers, machinery and computer racks. The powerful integration with video management systems allows you to fully integrate your security.

Multiple Credential Support

Different credential technologies are supported by the family of PowerNet reader-controllers. Proximity is the most commonly used technology in the market today, but some PowerNets are compatible