

CUSTOMER SUCCESS STORY

A STATEWIDE CORRECTIONAL AGENCY SIMPLIFIES LIVE VIDEO WITH IONODES SECURE DISPLAY STATIONS

IONODES

DELIVERING RELIABLE LIVE VIDEO AND ENHANCED SITUATIONAL AWARENESS ACROSS A STATEWIDE CORRECTIONAL SYSTEM

Managing physical security across a statewide network of prisons, re-entry centers, parole offices, and administrative facilities presents unique operational challenges. Each location serves a different purpose, yet all depend on timely access to security information to protect staff, inmates, visitors, and the public.

Correctional environments place significant demands on security technology. Video surveillance, access control, intercoms, door-control systems, servers, workstations, and network infrastructure must operate within strict security policies while supporting critical day-to-day operations. These systems need to work together without compromising reliability, performance, or security. To expand access to live video throughout statewide facilities and field offices, while reducing reliance on full PC-based workstations for dedicated video monitoring, a solution was needed that would fit within existing operations.

It also had to support a wide range of technologies, provide personnel with immediate access to live video, and offer a more secure, cost-effective, and manageable alternative to traditional workstations. IONODES Secure Display Stations (SDS) were selected to help achieve those goals.



THE CHALLENGE



Trust in the technology was essential. Any device introduced into a correctional environment needed to deliver reliable, high-performance operation while meeting strict cybersecurity requirements. Hardware was required to support continuous 24/7 operation, automatically recover from power interruptions, deliver low-latency video, and maintain clear image quality. Because operations exist within a highly regulated public-sector environment, compliance with federal security and sourcing requirements was equally important. Technology selections needed to satisfy stringent government expectations for security, supply-chain integrity, and long-term support before deployment.

Interoperability presented another challenge. Across the statewide correctional system, facilities use cameras from multiple manufacturers alongside a variety of security technologies. An open-platform solution was required that could work within this mixed environment, support existing investments, and avoid creating dependence on a single vendor.



Existing investments in the video management platform also needed to be leveraged rather than introducing a separate system for live-video distribution. Security operators already relied on the VMS to monitor cameras, manage events, and coordinate response activities. Any new solution needed to integrate seamlessly into these established workflows, allowing relevant video and security information to be shared more broadly without creating additional administrative burden or duplicating effort.

There was also a practical need to move beyond relying on full PC-based workstations wherever live video was required. Officer control booths often have limited space, and many locations only need access to selected live camera views. A dedicated alternative was sought to reduce IT overhead, strengthen cybersecurity, limit access to core systems, and simplify daily operation.

Together, these requirements pointed to a live-video solution capable of operating within a complex correctional security environment while integrating seamlessly into existing security operations.

THE SOLUTION

IONODES Secure Display Stations provided a purpose-built platform for delivering live video throughout the correctional system. A solution was needed that could be deployed with confidence across a highly regulated environment while providing dependable access to live video and aligning with strict cybersecurity, operational, and procurement requirements. SDS met those objectives and provided a reliable foundation for expanding live-video access across facilities and field offices.

Equally important was SDS's fit within a complex and evolving security technology environment. Rather than introducing another isolated platform, SDS integrated directly with the existing video management system, allowing display layouts, camera assignments, and operational workflows to be managed through familiar tools. Administrators retained centralized control of deployments while security personnel continued working within established processes. This approach leveraged existing investments, maintained operational flexibility, and avoided vendor lock-in as requirements evolved.

SDS also provided a practical alternative to deploying full PC workstations wherever live video was needed. Its compact design allows units to be installed discreetly behind monitors, preserving valuable workspace in officer control booths and other operational areas.

The simplicity of the approach proved to be one of its greatest strengths:

> "One thing we've learned is that not every problem needs a complicated solution. We needed a practical way to get live video where people needed it, and this let us do that without adding a lot of equipment or creating more work for our IT team. It's been a much more efficient approach for us."
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> — Security Electronics IT Architecture Manager

DEPLOYMENTS WITH MINIMAL DEMAND

By providing dedicated access to live video without the complexity of a traditional workstation, technology overhead was reduced while delivering visual information where personnel needed it most.



OPERATIONAL APPLICATIONS

At field offices, Secure Display Stations provide personnel with greater awareness of activity around the facility by delivering live video from entrances, parking areas, and perimeter locations to dedicated displays. Staff can verify visitors before granting access while also maintaining visibility of their surroundings, helping support a safer and more informed working environment.



Within correctional facilities, SDS enhances established access-control workflows. Because Secure Display Stations integrate directly with the agency's existing video management platform, security operators can extend the reach of live video beyond traditional security workstations. Through event-driven workflows configured within the VMS, camera views, alerts, and other operationally relevant information can be automatically distributed to dedicated displays when needed.

BRINGING CRITICAL VIDEO TO THE POINT OF ACTION



For example, when someone presses an intercom button at a secured entrance, the associated camera view can automatically appear on the display, giving personnel immediate visual context before making an access decision. Relevant video is delivered when it matters most, eliminating unnecessary steps and accelerating response times.

A clear separation is maintained between live monitoring and investigative activities. Secure Display Stations focus on dedicated live viewing, while playback, video review, and evidence export remain on workstations designated for those functions.

By extending the reach of live video beyond traditional security workstations, the SDS provided a scalable way to deliver timely visual information throughout statewide operations.

THE OUTCOME

The deployment of Secure Display Stations delivered operational, security, and administrative benefits across the statewide correctional system.

Reliable, high-performance, cybersecurity-focused hardware improved day-to-day security operations. Personnel gain faster access to live video, better situational awareness, and clear visual information when monitoring incidents. Automatic recovery following power disruptions helps reduce interruptions and lowers the risk of losing visibility during critical security events.

Additional benefits came from the flexibility of an open-platform approach. Facilities can continue using cameras and security technologies that best meet their operational requirements while maintaining a consistent approach to live-video monitoring. By leveraging existing investments rather than replacing them, infrastructure costs remain under control while creating a stronger foundation for future growth.



Compatible with most IP cameras

Available VMS integration or run in standalone

Locked down and secure for installation in public areas

Display up to 32 cameras on up to three 4K monitors



RELIABLE VIDEO ACCESS, REDUCED OPERATIONAL OVERHEAD

Replacing full PC workstations with dedicated display appliances provides both operational and cybersecurity advantages. Many of the maintenance demands associated with traditional computers are avoided while reducing access to core systems. The compact footprint of SDS also helps maximize limited workspace, resulting in cleaner and more secure monitoring stations.

The result is enhanced situational awareness, a highly reliable live-video platform, and a lower overall technology burden. Personnel have immediate access to live video when it matters most, while purpose-built hardware delivers dependable operation in demanding correctional environments. Existing technology investments are preserved while benefiting from the flexibility of an open-platform solution that integrates with a wide range of cameras and security technologies.



LOOKING AHEAD

For personnel, access to timely and reliable information can make all the difference. By placing live video where it is needed most, the agency is empowering staff with greater visibility and awareness throughout their daily operations. As adoption expands, the organization continues to build on a consistent approach that helps personnel respond with confidence while supporting the safety of staff, inmates, visitors, and the communities they serve.

Beyond operational improvements, the deployment supports the human mission at the heart of correctional services. Safer and more secure environments help personnel perform their duties more effectively, foster positive interactions, and maintain the continuity of essential services. At the same time, they contribute to a safer experience for the individuals who live, work, visit, or rely on these facilities every day. By providing timely access to critical information, the agency is strengthening its ability to support people, maintain safety, and fulfill its mission across a diverse correctional system.



WHAT CAN IONODES DO FOR YOUR ORGANIZATION?

Visit our product page to learn more about the Secure Display Station and PERCEPT Cloud or Request a personalized demo today!

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