

OCTOBER 2026 | SECURITY INNOVATIONS REPORT HANDBOOK

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**SECURITY INNOVATIONS  
REPORT HANDBOOK**

# Physical Security Innovation: Turning Information into Answers

**P**hysical security innovation is changing the way facilities protect people, property and operations. What once consisted of isolated mechanical barriers managed by keys has transformed into intelligent IT endpoints connected to broader security systems. This evolution is more than a technology upgrade; it represents a new way of thinking about protection, efficiency and accountability.

The greatest beneficiaries are facilities teams, security teams and IT professionals. When access control, video surveillance and other security technologies work together, these teams gain better visibility, faster response times and a clearer understanding of what is happening across their environments. Collaboration is no longer optional. It is essential to building a security operation that works as one.

Connected intelligence is also making video security more useful. The goal is straightforward: make information easier to find, connect it to video evidence and reduce the steps required to investigate an incident. Consider a witness who recalls only one detail—a suspect was wearing a particular color jacket. In the past, that small clue could mean hours of manually reviewing footage from camera after camera. Today, more advanced search tools can help investigators narrow the search across multiple cameras and locations, dramatically reducing the time required to identify relevant footage.

The bottom line is that better search capabilities can transform forensic video work into a verified, case-ready timeline. Investigators can move from scattered observations to a clearer

sequence of events, helping security teams make informed decisions and support follow-up investigations.

Artificial intelligence is adding another dimension through AI-powered monitoring that supports both security and operational intelligence. These capabilities can help identify unusual activity, highlight potential concerns and provide operators with information that might otherwise go unnoticed. Meanwhile, mobile security teams benefit from dispatch technology that keeps personnel connected across nationwide operations, helping coordinate resources and communicate critical information when incidents occur.

Cameras remain central to protecting diverse environments, from residence halls and parking structures to athletic facilities. They help operators detect activity, investigate concerns and respond with greater awareness of conditions across a property. The security industry has made remarkable progress in collecting information. Yet finding information is no longer the greatest challenge. The real struggle is turning that collected information into meaningful answers. Physical security innovation succeeds when technology does more than record events—it connects the dots, accelerates decisions and gives security professionals the intelligence they need to protect people and places. 📹

**RALPH C. JENSEN**

Editor-in-Chief, *Security Today* magazine



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# Redefining Connected Openings: The Real Value of RealSync™

XE360 extends real-time, panel-free access control deep into building interiors

BY CARLY GRIFFIN

Commercial door locks are no longer isolated mechanical barriers managed by keys; they have transformed into intelligent IT endpoints. As the Security Industry Association (SIA) highlights macro-trends like rapid AI adoption and IT-security convergence, matching the right connectivity model to the operational demands of each door has become essential.

The Schlage XE360 Series with RealSync™ has emerged as a new industry benchmark, earning New Product of the Year honors by bringing persistent, cloud-connected intelligence to openings where traditional wired access was never practical.

## 1. Built for the Modern Decision Team

Access control deployments sit at the intersection of three distinct enterprise stakeholders:

- **Facilities Teams** need physical durability, architectural aesthetics, simple installation, and life-safety compliance.
- **Security Teams** require immediate situational awareness, robust audit trails, and fast lockdown capabilities.
- **IT Teams** demand advanced encryption, automated device onboarding, and strict cybersecurity hygiene.

The XE360 with RealSync unites these priorities, delivering physical reliability, real-time responsiveness, and enterprise-grade network security in a single architecture.

## 2. The Right Opening: Pushing Access Control Deeper

Not every door shares the same risk, traffic, or physical profile. High-traffic or weather-exposed exterior perimeters demand robust, hardwired solutions built for continuous abuse - environments where the XE360

is not intended.

Instead, the XE360 with RealSync extends electronic access control further into the building's interior.

Securing interior openings such as private offices, residence entries, conference rooms, and storage areas has historically been cost-prohibitive due to the conduit, low-voltage wiring, and centralized control panels. The XE360 with RealSync eliminates these infrastructure barriers:

- **No Panels or Proprietary Hubs:** Communicates directly over existing enterprise Wi-Fi, removing the need for intermediary door controllers.
- **Wireless, Battery-Powered Deployment:** Installs in minutes per door without wires, drastically reducing labor costs and operational disruption.
- **Scalable Interior Coverage:** Cost-effectively replaces unmanaged mechanical keys with audit-capable digital credentials across interior openings.

## 3. Direct-to-Cloud Device Health: A Commercial Breakthrough

Traditional access systems route data through local hardware panels, creating bottlenecks, and limiting operational visibility. In a breakthrough for commercial access control, the XE360 with RealSync sends lock diagnostic and performance data directly to the cloud.

Beyond recording routine access activity (like someone tapping a badge, fob, or smartphone to unlock a door), the lock constantly monitors its own physical condition. It provides real-time visibility into battery levels, internal motor performance, and daily usage patterns.

This direct cloud connection lets facilities and IT teams spot wear early, schedule proactive maintenance, and resolve potential issues long before an opening fails or disrupts operations.

## 4. RealSync™: Persistent Connectivity for Real-Time Control

Historically, the industry's expectation for battery-powered commercial Wi-Fi locks has been periodic connectivity; waking

up on a delayed schedule (often every few hours or once a day) to check for updates in order to conserve power. While periodic polling works for lower-risk doors, that latency kept Wi-Fi locks out of dynamic commercial spaces needing immediate control.

XE360 with RealSync shifts this paradigm by delivering persistent connectivity directly over standard 2.4 GHz enterprise Wi-Fi.

This is powered by Allegion's proprietary, circuit-level power management architecture. Through data modeling and benchtop cycle testing across multiple credential types and traffic volumes, our engineering teams optimized power consumption at every component. Operating on standard off-the-shelf AA alkaline batteries, the lock delivers continuous two-way communication when deployed according to Allegion's tested network design guidelines:

- **Instant Credential Management:** Access permissions and revocations update at the lock in sub-second time.
- **Immediate Response:** Emergency lockdown commands broadcast across interior openings instantaneously.
- **Intelligent Continuity:** If a network disruption occurs, the lock falls back seamlessly to local cache memory. Authorized users retain entry, life-safety egress remains operational, and event history syncs immediately once the network restores.

## The Bottom Line

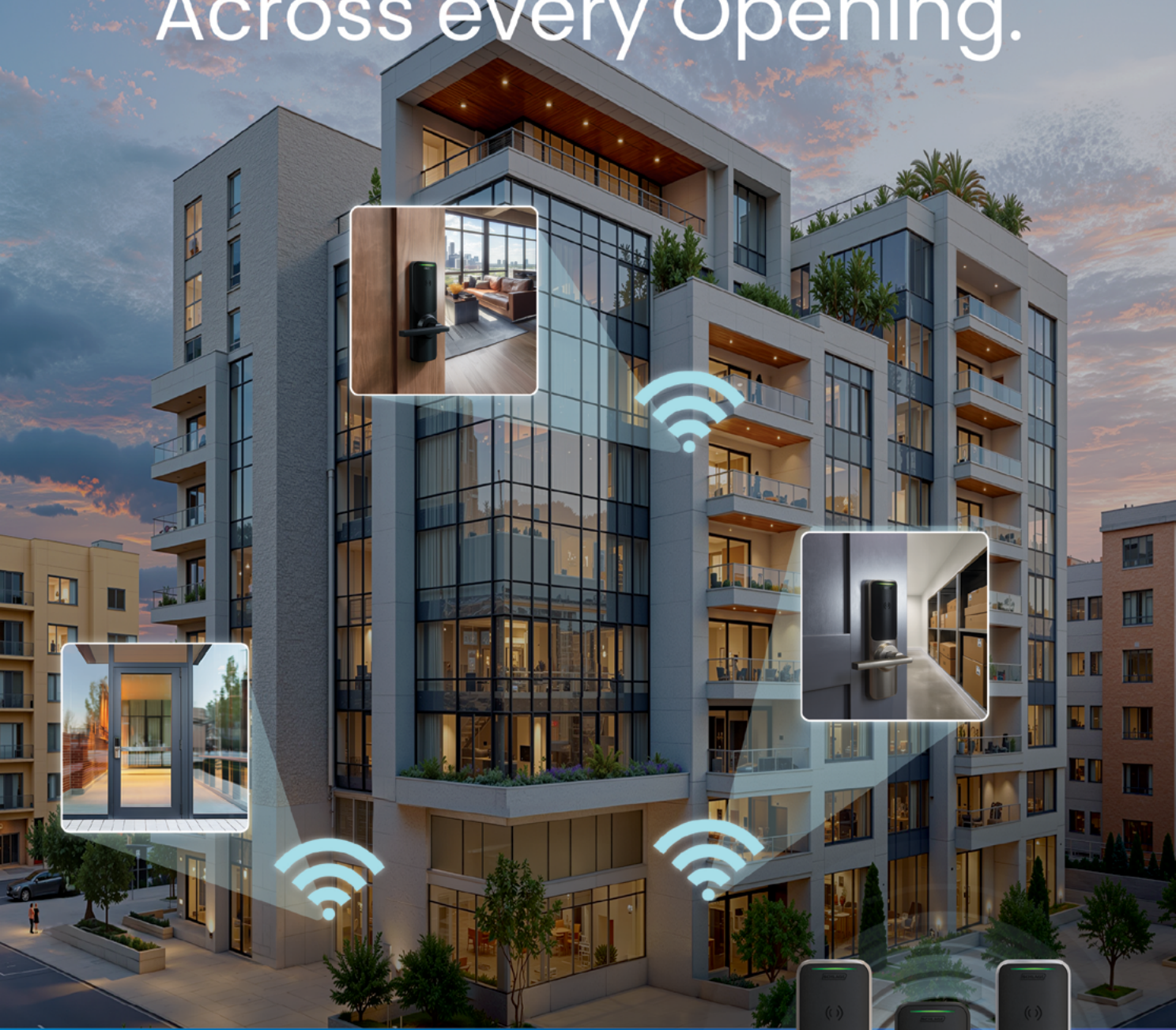
Modern access control isn't about forcing a single hardware type across an entire facility; it's about applying the right connection to the right opening. By pairing persistent Wi-Fi with a panel-free, fully wireless design, the XE360 Series with RealSync unlocks the building interior, delivering real-time intelligence, lower total cost of ownership, and proven enterprise security. 🔒

### LEARN MORE:

Discover how Schlage XE360 Series transforms security infrastructure while saving time and money by clicking here.  
<https://commercial.schlage.com>

*Carly Griffin is a Brand and Solutions Manager at Allegion, dedicated to developing innovative, ready for the future access control solutions like the Schlage XE360 Series with RealSync*

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XE360™ Series with RealSync™



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# Connected Intelligence Makes Video Security More Useful

Searchlight AI and Cloud Storage simplify investigations and video retention at scale

BY JEFF CORRALL

Security teams rarely struggle because they don't have enough technology. More often, they have separate systems that don't share information easily. Cameras, access control, cloud storage and transaction data may all be useful on their own, but operators still need to move between screens and repeat searches to piece together what happened.

Connected Intelligence for Modern Security is our approach to helping those systems work together. The goal is practical: make information easier to find, connect it to video and reduce the steps needed to investigate.

Two March Networks solutions recognized in Security Today's 2026 New Product of the Year Awards support that approach. Searchlight AI helps users get answers from business data and check the related video. Cloud Storage gives them flexibility in how they access and retain footage.

## Getting Answers with Searchlight AI

Searchlight Cloud connects video with transaction and operational data, including information from point-of-sale systems and ATMs. **Searchlight AI** brings generative AI to that platform, allowing users to ask questions in plain language.

A loss prevention manager could ask, "Find all refund transactions yesterday above \$50." The manager can review the results and associated video to see whether a customer was present and what happened at the register. That makes it easier to decide which transactions need closer attention.

The same approach helps teams search activity across locations. Users can ask about transactions outside operating hours or compare activity between sites without manually working through multiple reports.

For a bank, an ATM withdrawal record shows when a transaction happened. The asso-

ciated video helps an investigator understand who used the machine and what occurred, providing evidence to review when a customer later disputes a specific cash withdrawal.

The value is straightforward. A user can start with a business question and get to the supporting evidence more quickly. Video provides the context needed to understand a transaction, while the user decides what requires action.

## Matching Cloud Storage to the Need

Organizations also need to decide how long to keep video and how quickly they need to access it. Recent footage may be needed during an active investigation. Older footage may be needed months later for a claim, audit or compliance review.

**March Networks Cloud Storage** supports both requirements. Active Cloud Storage keeps selected video immediately available for playback and download. Deep Cloud Storage provides lower-cost retention for footage that needs to be kept longer and does not require immediate retrieval.

For example, a retailer could keep video from selected cameras in Active Storage for 30 days, then automatically move it to Deep Storage for one or two years. Recent footage stays ready for review, while older footage is retained at a lower cost.

Deep Storage retrieval takes longer, so choosing the right policy matters. Customers can prioritize immediate access for cameras covering high-risk areas, while retaining other footage for requirements where waiting for retrieval is acceptable.

Both options are managed through Command Client. Customers can extend retention across cameras and locations without adding on-premise storage hardware. They can set policies based on their needs, rather than treating every camera and every period of footage the same way.

## Bringing More Information into One View

Connecting other security systems follows the same principle. When an access control alert shows that a door opened unexpectedly, an operator needs to know who was there and what happened. Our C•CURE



integration brings access events and related video into Command Enterprise Software, reducing the need to move between systems.

AI Smart Search and Attribute Search help investigators narrow their review across cameras and locations. Search tools can help locate relevant activity, while video lets the investigator verify it. Mobile access also helps supervisors and field staff review information while responding to an event or moving between sites.

Many organizations cannot justify replacing established infrastructure every time a new capability becomes available. A connected approach lets them build on the systems they already use, adding capabilities where those capabilities solve a specific problem.

That is how we measure progress: fewer unnecessary steps, faster access to evidence and a clearer understanding of what happened. As technology develops, it should make daily security work easier and give customers more useful information from their existing investment.

*Jeff Corrall is Chief Product Officer at March Networks and VIVOTEK, where he leads product strategy and innovation across the companies' connected security portfolio.*

### LEARN MORE:

Visit [marchnetworks.com](https://marchnetworks.com) to learn how Searchlight AI helps teams investigate business activity and how Active and Deep Cloud Storage support flexible video access and retention. Contact March Networks to arrange a demonstration for your organization.



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# How Better Search Tools Change Forensic Video Work

The right tools turn a partial description into a verified, case-ready timeline

BY ELAN KOL

**M**ost forensic video investigations begin without a single frame of footage. They begin with a report: an incident, a complaint, or a witness who can recall a jacket color and little more. From there, the investigator's job has traditionally been one of manual translation, converting that scrap of information into hours of video review across every camera that might have caught the event. Open video platforms are changing that work by making metadata from compatible cameras across manufacturers searchable in one place.

## Scale Breaks Manual Review

A facility with dozens of cameras and an incident window of a few hours can add up to hundreds of hours of footage, far more than anyone can scrub through when a case is time-sensitive.

Manual review is also sequential: pull one camera, scrub it, move to the next. A single query that runs across the whole system at once removes that penalty. A small site and a large one run the search the same way; the larger one simply sees more of its facility in the results. For growing organizations, new cameras add visibility instead of review hours.

## The Search Experience Shapes the Investigation

The early hours of a case are when details are thinnest. Times are approximate, locations are a best guess, and descriptions shift as more people are interviewed. A tool that needs precise inputs sits idle dur-

ing that stretch, often when speed matters most.

"An investigator rarely starts with perfect information. They need to be able to start with what they know, find the relevant video quickly, and refine the search as new details emerge. The technology should support the investigation as it develops, not require all the answers up front." — Elan Kol

A good search experience puts that framework to work right away. Clothing color, vehicle type, and a time window can be combined in a single query, then adjusted as new details come in, so the search develops alongside the case rather than lagging behind it.

## Search Is Only as Good as the Data Behind It

The right tools start upstream of the search interface. Forensic search doesn't scan video; it queries the metadata each camera produces. If a camera's analytics are poorly trained, misconfigured, or don't report a given attribute, even the best interface has nothing to search.

Coverage matters as much as quality. Analytics tied to a single manufacturer leave blind spots in facilities whose camera fleets have grown over a decade or more. Open standards close those gaps. Many modern cameras support ONVIF Profile M, which provides a standardized way to communicate analytics metadata between cameras and the VMS. CompleteView builds Enhanced Search on that standard, so investigations can draw on compatible cameras across manufacturers, rather than being limited to a single vendor.

Even with good data, results are leads, not conclusions. Lighting, angle, and distance affect how a camera classifies what it sees, so a dark blue jacket may come back tagged as black. The investigator still confirms each match against the facts of the case.

## From Matching Clips to a Defensible Timeline

Finding a match is only the start. Triage



decides whether an event deserves escalation; an investigation must produce a sequence others can follow and trust. That usually means the same person or vehicle appearing across several cameras in an order that makes sense.

Here, the search experience pays off. With results from across the facility side by side, an investigator can trace a route through the building without rebuilding it camera by camera, then use single-camera playback to check each moment before it enters the record. The software surfaces the sequence; the investigator decides whether it stands.

The last step is the handoff to a case file, legal counsel, or law enforcement. A fast search loses its value if exporting is an afterthought. When clips come from the same system that manages and retains the facility's video, they can move directly into a case package without requiring a separate search system.

## Closing the Case

Forensic video work will always start with incomplete information. What has changed is how much of the facility an investigator can search from that starting point, and how quickly the results can be checked and shared. Open platforms widen the search across compatible cameras, good metadata makes the results worth reviewing, and a clean handoff helps preserve the integrity of the evidence. Together, they turn a vague report into a case that can be closed. 📁

*Elan Kol is Director of Product Management at Salient Systems, where he leads strategy and execution for the CompleteView platform and focuses on building products around how security professionals actually work.*

### LEARN MORE:

Enhanced Search in CompleteView runs a single query across every ONVIF Profile M-compatible camera on your network. To learn how open metadata search fits into forensic investigation workflows, visit [salientsys.com/products/enhanced-search](https://salientsys.com/products/enhanced-search) for details and resources.

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Using your existing cameras, servers, and networks drastically reduces friction of adoption.



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Unlock relevant insights by extending our platform with integrations to drive your operations.



**Whether you run one site or a few hundred, you get the same view of your video and the same control over it.**

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# ViewScan Changes The Game in AI-Powered Video Intelligence

ViewScan delivers AI-Powered Monitoring for Security & Operational Intelligence

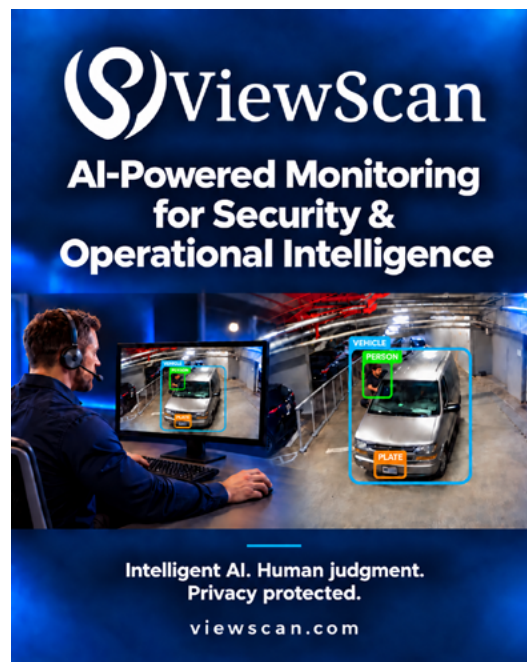
BY DAVID ANTAR

**V**iewScan Protect delivers a modern physical security platform that reduces costs, increases operational efficiency, and creates a smarter and safer world for customers. The solution offers customers an AI-powered video analytics and remote monitoring platform that turns security cameras, new or already in place, into an active detection and response network. Its pipeline runs Capture, Detect, Verify, Deter, Escalate and the cameras send video to an on-site gateway where ViewScan's on-premise AI software analyzes the feed in real time, flagging human presence, loitering, area-crossing behavior, and other objects of interest. A TMA-certified remote operator, drawn from a team staffed by US veterans and active-duty spouses, verifies the alert isn't a false trigger. The operator then deters any trespasser with live audio talk-down; and if they don't leave, escalates the situation to police or on-site security.

ViewScan Protect has been proven effective across a range of vertical markets which includes retail, warehouse and distribution, and newly built commercial and industrial properties. The platform runs multiple AI models concurrently on the same video stream, layering human and vehicle detection, behavioral analytics, and object-specific recognition such as firearms, faces, and license plates, rather than relying on one general-purpose model. It extends that stack with generative and agentic AI: natural-language incident summaries, conversational search across historical footage, and agents that correlate multi-camera events and recommend or initiate a response without waiting on manual review. Basic analytics include covering human and multi-person detection, loitering, 24/7 event detection, area crossing, live talk-down, and incident reporting.

The solution delivers more comprehensive coverage than a live guard for roughly 60% less than a single guard shift, operating continuously with every alert logged into an auditable record. Where "AI-powered" security often means little more than motion detection. ViewScan's software ecosystem is built on three core components: an AI Engine, a series of advanced unified models delivering multiple analytics on any video stream without specialized hardware; an Event Manager that continuously analyzes video and sensor signals and generates real-time alerts; and front-end software that creates a true "single pane of glass" for situational awareness — usable by ViewScan's operators, the end user, or a hybrid of both. It is built around an intelligent on-premise gateway, deployed as ViewScan's Connection Manager, serving as the edge computing brain for a property's entire camera and speaker network. Sized in scalable channel tiers, from compact single-facility deployments to large multi-zone campuses, the gateway ingests live video directly from on-site cameras and runs ViewScan's AI analytics locally, at the edge, rather than shipping continuous streams to a remote data center. It also incorporates two-way IP-horn speakers for live talk-down deterrence, monitors the health of every connected device, and can remotely power-cycle a camera or speaker that drops offline, without a technician on-site.

The main problems that plagues cloud-dependent security systems include bandwidth cost, latency, and single points of failure. By performing



detection at the edge, the gateway needs only a modest minimum upload connection to support dozens of devices, and keeps functioning even when connectivity is degraded, since core AI inference happens locally. The gateway also handles redundant on-site video storage, so footage survives a single drive or device failure, and indexes every clip against its own AI-generated event data. This helps turn weeks of raw video into a searchable evidence archive rather than a wall of unlabeled recordings. Long-term cloud archival extends that indexed history well beyond a typical DVR's retention window, and a companion customer application puts that same archive within reach for anywhere viewing, live or recorded.

ViewScan continues to be on the forefront of AI technology and is making significant strides to better protect people by building an open eco-system to take advantage of the latest advances in AI. Safety is enhanced through human presence, object, and vehicle detection, real-time proactive remote monitoring, delivery service screening, guard booth operations, and construction site monitoring—delivered via fixed installations, mobile security trailers, and enclosure-mounted solution capabilities. 📹

## LEARN MORE:

Discover how ViewScan Protect can help you save money by clicking here.

[www.viewscan.com](http://www.viewscan.com)

*David Antar is the President at ViewScan, dedicated to creating a smarter and safer world for customers.*



## AI-Powered Monitoring for Security & Operational Intelligence



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ViewScan Protect delivers AI-Powered monitoring for security & operational intelligence that reduces costs, increases operational efficiency, and creates a smarter and safer world. The solution unifies input from video surveillance, access, and sensor technologies, advanced video analytics and the real-time intelligence of mission-oriented remote security operators, primarily disabled American Veterans.

Find out how you can improve security and lower operational costs while protecting privacy!

Learn more at [viewscan.com](https://viewscan.com)



# MNC360 Keeps Mobile Security Teams Connected Nationwide

A dedicated mobile radio links security patrols to HORIZON Dispatch across locations.

BY TY ESTES

**M**obile security teams need communications that travel with them. A patrol officer may inspect several customer properties, respond to a gate alarm, and assist colleagues miles away during one shift. The Hytera MNC360 Push-to-Talk over Cellular mobile radio gives vehicle-based personnel a dedicated connection to dispatch, supervisors, and other officers, helping teams coordinate without repeatedly dialing phone numbers or waiting for callbacks.

A winner of Security Today's 2026 New Product of the Year Award, the MNC360 combines professional mobile radio controls with the reach of the HORIZON PoC platform. Recognized enhancements include cross-enterprise calling, multi-carrier SIM support, programmable tactile buttons, and improved microphone sensitivity. Together, these capabilities address practical challenges for security fleets operating across changing locations and customer environments.

The MNC360 connects through cellular data service to HORIZON's cloud platform, which routes individual and group calls to authorized users. HORIZON supports communications over 4G/LTE and 5G cellular networks and Wi-Fi, with each device using its supported connectivity. Officers can communicate beyond a local repeater's coverage wherever suitable network service is available, without the organization building a dedicated wide-area radio network.

For contract security companies, this means coordinating patrol vehicles across multiple accounts from one communications platform. Schools and universities can connect perimeter patrols with campus security and transportation personnel.

Hospitals can link officers covering parking structures and satellite facilities. Hotels, resorts, and casinos can coordinate security vehicles, parking teams, and supervisors across large properties.

Manufacturing facilities and distribution centers can use the MNC360 to connect gate security, yard patrols, and management. Construction companies can coordinate officers moving between active sites, while theme parks and entertainment venues can connect perimeter teams and event operations. These deployments share one requirement: reaching the appropriate people quickly as personnel move between assignments.

Inside the vehicle, usability matters. Four programmable tactile keys can select groups, return to a home group, or initiate an individual full-duplex call. Raised controls provide a physical reference for commonly used functions. Improved sensitivity in the radio's built-in microphone supports hands-free full-duplex conversations, while a handheld microphone provides familiar push-to-talk operation. Configuration should reflect the fleet's communication procedures.

Clear audio helps officers understand short, urgent instructions. The MNC360 combines AI-based noise cancellation with a forward-facing four-watt speaker to reduce competing vehicle noise and improve intelligibility. Its compact housing and rotating mounting bracket support flexible installation. Bluetooth and audio accessory connections provide additional options for microphones, headsets, and external speakers suited to different vehicles.

HORIZON Dispatch turns these connected radios into a coordinated mobile security system. From a browser-based console, dispatchers make individual or group calls and assemble temporary groups for an incident. GPS information from the MNC360 shows vehicle locations, helping dispatchers identify nearby resources and direct assistance. Location visibility also reduces repeated radio inquiries about an officer's position.

Dispatchers can review time-stamped

travel histories and establish geofences around patrol territories or customer properties. Entry and exit alerts help flag movements requiring attention, while speed information supports fleet oversight. An officer pressing the MNC360 emergency button can generate an alarm with a mapped location in Dispatch. Call and alarm records support incident review and training.

Cross-enterprise calling extends coordination beyond the security company. A contracted patrol team and a manufacturer's security staff, both using HORIZON, can share an approved group for gate incidents or suspicious activity. Their routine internal conversations remain separate. HORIZON's enterprise administration tools help authorized managers organize users, groups, and locations, while encryption options help protect sensitive operational communications.

Coverage planning remains essential. An optional multi-carrier SIM supports access to three carrier networks and switching when a carrier signal is unavailable. HORIZON's geographically diverse cloud redundancy supports platform continuity. Neither feature eliminates the need to test actual patrol routes, parking areas, and customer sites. Radio placement, antenna installation, and local cellular conditions all influence performance.

Before deployment, arrange a demonstration with the vehicles, routes, and dispatch workflows your team will use. Evaluate audio, emergency alerts, group selection, GPS updates, and dispatcher access. Confirm subscription features, dispatch licensing, installation requirements, and dealer support. Train officers and dispatchers together, then document procedures for routine patrols and escalations. Include new hires and relief officers in training. The goal is a repeatable communications workflow that supports daily accountability and coordinated response. 📍

*Ty Estes is Marketing Director at Hytera US Inc, with more than 20 years of experience in wireless communications and network technologies.*

## LEARN MORE:

Visit [Hytera.us](https://hytera.us) to explore the MNC360 mobile radio and HORIZON Dispatch. Contact an authorized Hytera dealer to discuss patrol communications, evaluate cellular coverage, review installation options, and arrange a demonstration tailored to your security operation.

# The Industry Leader in Push-to-Talk over Cellular For Campus Security



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- The most reliable nationwide PoC platform available
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# When Security Teams Can Search Like People

Why generative AI may change how operators detect, investigate, and respond

BY ADAM LOWENSTEIN

**S**ecurity teams have no shortage of video. Hospitals monitor patient corridors and entrances. Universities oversee residence halls, parking structures, and athletic facilities. Warehouses, transit hubs, and corporate campuses may run hundreds or even thousands of cameras.

Yet one challenge stays remarkably consistent: finding the information that matters, when it matters. Most organizations do not struggle to collect video. They struggle to turn it into answers.

Video analytics have helped close part of that gap. Motion detection, line crossing, and object classification are now standard tools. But many traditional analytics ask users to decide in advance what to look for, then translate that need into rules, zones, and attribute menus. Real-world incidents rarely cooperate. The events that matter most are often the ones no one thought to configure, and building rules across a large camera system takes time and expertise that many teams do not have.

The result is a quiet mismatch: operators think in descriptions, while their systems think in settings.

## Closing the Gap Between People and Software

That mismatch shaped the development of the i-PRO X-series Fisheye, recipient of Security Today's New Product of the Year award in the Video Surveillance Cameras – AI category. As i-PRO's first cameras with generative AI running entirely at the edge, they are built around a simple idea: instead of asking operators to think like software,

the software should understand how operators think.

An operator enters a phrase such as 'person lying down' or 'not wearing a vest,' and the camera uses AI Free Text Detection to identify those conditions and generate alerts when they occur. Paired with i-PRO Active Guard, investigators can use the same approach to search recorded video by description. The AI engine, built on Arm-barella's CV72 system-on-chip, runs on the camera itself, eliminating the need to send video to the cloud or an external analytics server for analysis.

## What to Ask Before Adopting Natural-Language Analytics

Generative AI is arriving quickly across the security industry, and not every approach works the same way. Before adding natural-language detection or search, security leaders should look closely at five questions.

Where does the processing happen? Some systems send video to the cloud or a central server for analysis. Processing on the camera helps organizations maintain greater control over sensitive footage while avoiding additional bandwidth and server demands as deployments grow.

Does it work in real time, or only after the fact? Natural-language search speeds investigations, but the bigger gain comes when the same descriptions can trigger live alarms. Ask whether a typed phrase can become a real-time alert, not just a search query. With AI Free Text Detection, the X-series watches for a described scene as it unfolds and alerts operators the moment it occurs.

How does it adapt to your environment? A busy hospital lobby and a quiet parking structure produce very different false alarm patterns. Look for tools that can be tuned to each site. The X-series, for example, uses AI On-site Learning to train detection to its installation environment.

What about the cameras you already own? Few organizations can replace their camera fleet at once. Ask whether new analytics can extend to existing devices.



i-PRO's AI Processing Relay brings AI analytics to non-AI cameras through the X-series and Active Guard.

Is the device itself secure? A camera running advanced software is also a network endpoint. Look for recognized certifications and supply chain transparency. The X-series features security compliant with FIPS 140-3 Level 3 and is NDAA compliant.

## Where to Start

Start by listing the situations your team most wants to identify sooner, written the way an operator would naturally describe them. Identify where those events are most likely to occur, then evaluate the system using representative scenarios in your actual environment. Use the results to refine your requirements, camera placement, detection settings, and response workflows.

The security industry has spent decades improving image quality, expanding storage capacity, and increasing camera coverage. The next step is making video easier to work with. Generative AI is shifting security operations from configuring complex rules to describing what matters in plain language. The value is not in the AI itself. It is in helping security teams find answers faster, investigate incidents more efficiently, and respond with confidence when every second counts.

*Adam Lowenstein is Director of Product Management and Back-End Development at i-PRO Americas, where he shapes the company's growth strategy by aligning platform innovation with business objectives across the Security and Public Safety sectors.*

### LEARN MORE:

Discover how the i-PRO X-series Fisheye combines 360-degree coverage with generative AI at the edge to deliver natural-language detection, faster forensic search, on-premises processing, and advanced cybersecurity for security teams in demanding environments. [https://i-pro.com/products\\_and\\_solutions/us-en/surveillance/products/new-products/cv72-fisheye-edge-ai](https://i-pro.com/products_and_solutions/us-en/surveillance/products/new-products/cv72-fisheye-edge-ai)

Alert me if a person falls | Q

## New X-series Fisheye The Edge AI Camera You Can Talk To.



Person lying down

## When Failure is Not an Option

In demanding environments, fragmented visibility creates risk. As i-PRO's first cameras with generative AI at the edge, the X-series Fisheye combines complete 360° awareness to help security teams identify threats faster, reduce investigation time, and respond with greater confidence when every second matters.

### Using natural language. Real-time understanding. GenAI at the edge.

- Real-time free-text detection
- Natural language forensic search
- Adaptive AI learning
- Extending AI to non-AI cameras
- Docker-ready open platform
- Privacy-first - sensitive video data stays on-premises
- Cyber-secure by design (FIPS 140-3 Level 3)
- NDAA compliant & made in Japan



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# i-PRO

# Protecting Perimeters Beyond the Fence Line

Award-winning radar helps utilities detect, verify, and respond to intrusions sooner

BY RUI BARBOSA

Utilities protect some of the most exposed assets in any industry. Substations, water treatment plants, pumping stations, gas facilities, and solar sites often sit in remote locations with large perimeters and few staff on-site. A single intrusion can lead to theft, vandalism, equipment damage, or a service outage that affects thousands of customers.

Most of these sites already have fences, cameras, and sensors. The challenge is not a lack of technology. It is getting reliable information early enough to act. Fence sensors trigger on wind and wildlife. Cameras lose detail at night, in fog, or in heavy rain. Operators who monitor many sites from a central control room can spend much of their time clearing nuisance alarms instead of responding to real events.

That challenge shaped the development of i-PRO Security Radar, recipient of Security Today's New Product of the Year award in the Perimeter Protection category. Rather than adding another alert source, Security Radar was designed to give security teams earlier warning, clearer information, and faster verification across wide outdoor areas.

## Detection That Does Not Depend on Light or Weather

Security Radar uses 60 GHz millimeter-wave technology to monitor a 180-degree field of view. It detects people up to 230 feet (70 meters) away and vehicles up to 328 feet (100 meters) away. Because radar does not rely on light, it performs consistently

in darkness, fog, rain, glare, and extreme weather, when many perimeter incidents occur.

Teams can set detection zones around fence lines, access roads, transformer yards, and storage areas. When a person or vehicle enters a restricted zone, the radar generates an alert based on target type, location, and direction of travel. That added distance gives operators time to assess activity before anyone reaches a critical asset.

## Fewer False Alarms, More Confident Response

Every false alarm costs time. It pulls attention away from other sites, can lead to unnecessary dispatches, and over time causes operators to doubt the alerts they receive. Security Radar is designed to filter out movement from wildlife, wind-blown vegetation, and other environmental sources, so the alerts that reach the control room are more likely to deserve attention.

## Verification in Seconds

Detection is only the first step. Operators also need to see what is happening. Security Radar connects with up to four i-PRO Edge-AI PTZ cameras. When the radar detects a target, it sends location data to the cameras, which automatically turn toward the target and track it as it moves.

The result is one connected view: where the target is, what it is, where it is going, and what it looks like. Instead of searching through camera feeds, operators can obtain visual confirmation quickly while creating a clear record for post-incident review.

## Built for Harsh, Remote Environments

Utility infrastructure rarely sits in protected settings. Security Radar is rated IP66 and IK10 for weather and impact resistance, and a coastal model with anti-salt coating is available for sites near the ocean. Covering a wide area with fewer devices also helps reduce installation, maintenance, and bandwidth costs, with no recurring AI fees.



## Security That Meets Utility Standards

Physical security devices are now part of a utility's broader cyber-physical risk picture. Security Radar is FIPS 140-3 Level 3 certified and NDAA and TAA compliant, and it is engineered and manufactured in Japan. These qualifications support procurement, governance, and long-term risk management for regulated organizations.

## Working With Existing Systems

Most utilities cannot replace their security infrastructure to add new capabilities. Security Radar integrates with leading video management platforms and is ONVIF Profile S, M, G, and T compliant. A built-in camera helps installers align the radar quickly during setup. This open approach lets teams add radar detection to current workflows while protecting earlier investments.

## Perimeter Security as Part of Resilience

Utilities already plan for storms, equipment failures, and cyberattacks. Physical intrusion belongs in the same conversation. A stronger perimeter gives operators more time, better information, and more control over events that could affect service.

That idea is at the center of Security Radar's design. The goal is not more alarms or more screens. It is helping security teams detect potential threats earlier, verify them faster, and respond before an incident becomes an outage. 🛡️

### LEARN MORE:

Discover how i-PRO Security Radar combines wide-area detection with edge-AI camera integration to help utilities identify potential intrusions earlier, verify activity faster, reduce false alarms, and strengthen perimeter protection across critical infrastructure sites. [https://i-pro.com/products\\_and\\_solutions/us-en/surveillance/products/new-products/security-radar](https://i-pro.com/products_and_solutions/us-en/surveillance/products/new-products/security-radar)

*Rui Barbosa is Manager of Surveillance Products at i-PRO Americas, where he leads product strategy for integrated security solutions that help protect people, assets, and communities.*



# New Security Radar: Protecting Critical Infrastructure, Powering Everyday Life.

## When Failure is Not an Option

Securing critical infrastructure means ensuring uninterrupted power, water, gas, and electric service. i-PRO Security Radar provides early awareness, wide-area monitoring, and AI-driven verification to enable reliable 24/7 protection with minimal false alarms for the communities that depend on you.

### i-PRO Security Radar: Wide-Area Monitoring & High-Precision Tracking

- **Wide-Area Detection:** 180° coverage up to 100m (328 ft) for vehicles and 70m (230 ft) for people.
- **Edge-AI PTZ Integration:** Connect up to four i-PRO Edge-AI PTZ cameras for auto tracking and rapid visual verification.
- **False Alarm Reduction:** Filter wildlife, wind, and environmental movement to reduce false alerts and operator fatigue.
- **Fast Deployment:** Integrates with leading VMS and existing systems, with a built-in camera for quick alignment.
- **All-Weather Performance:** 60GHz radar detects people and vehicles in fog, rain, darkness, and extreme weather.
- **Mission Critical Reliability:** IP66 / IK10 durability with a coastal variant built for salt-heavy utility environments.
- **Industry-Leading Cybersecurity:** FIPS 140-3 Level 3 certified, NDAA/TAA compliant, engineered and manufactured in Japan.
- **Lower Cost of Operation:** Cover more area with fewer devices, reduced maintenance, lower bandwidth, and no recurring AI fees.



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# ■ ■ ■ i-PRO

# Less Cabling, More Capabilities in Managed Power

## Less Cabling, More Capabilities in Managed Power

PROVIDED BY I-PRO

**M**anaged power supplies have already changed the game. From facilitating real-time data monitoring to enabling the remote power cycling of devices, they give security teams unprecedented control. And like security, they are always evolving, with the next generation set to amplify the very advantages that current managed power users have come to rely on.

The new **LifeSafety Power NetLink® Connect** modules, the NLC and NXB, promise a host of benefits for managed power systems. These benefits translate directly to time, cost, and efficiency savings, ultimately delivering greater security and scalability for users.

### Control Without Compromise

Typical managed power systems are often limited by cabling and space restrictions. Pulling extra network drops and managing a bundle of wires can turn a simple install into a multi-day, labor-intensive project. The new NLC + NXB modules simplify this process.

Instead of requiring a dedicated network drop for each NetLink board, a single network drop now connects directly to one NLC. From there, the NLC links up to 31 NXBs via a single wire, each supporting up to 32 managed modules. Depending on the configuration of power modules and doors, this setup enables the remote management for up to 240 doors from a single network connection.

The likelihood of a system designed with 100+ doors tied to one drop is unlikely, but that's not the point. In the past, security teams had to carefully weigh trade-offs: How many devices could be connected, how many enclosures would fit on the wall,

and how many costly network drops were required to keep it all online. With NLC + NXB, those trade-offs virtually disappear. The ceiling for scalability has been raised so high that it will likely never be reached. This provides the freedom to design systems around specific needs rather than arbitrary hardware limits.

To get a sense of how these capabilities look in real-world deployments, check out this **Application Note**.

With the NLC + NXB, data is protected from the inside out. Communication between boards within an enclosure leverages an internal RS485 buss to deliver a more stable performance than legacy options. For connections that extend beyond the enclosure (NLC to NXB), the system leverages an external RS485 buss with Open Supervised Device Protocol (OSDP) encoding. This communication standard adds an additional level of encryption, safeguarding data as it travels between secured enclosures and minimizing potential vulnerabilities.

### Practicality in Practice

The NLC + NXB serve as a replacement for LifeSafety Power's existing NL2, NL4 & NLX boards. By transitioning to these next-generation modules, you benefit from a streamlined managed power architecture. Benefits include:

- **Space Savings** – A single NLC + NXB deployment delivers network management capabilities that once required larger or multiple boards. That means more board space in systems and simplified, cleaner connections between multisystem deployments.
- **Time Savings** – Fewer network drops and simplified wiring accelerate installation times.
- **Cost Savings** – Reduced cabling, fewer enclosures, and faster, less labor-intensive installs all contribute to lower costs. Plus, NXB modules are priced significantly less than the NLC, delivering immediate material savings when expanding a system.

### Built For Now & the Future

NLC + NXB modules were engineered



with the future in mind. These new NetLink Connect hardware devices enable future software and cybersecurity enhancements. The LifeSafety Power team is also constantly working behind the scenes to deliver updates that enhance system performance and security.

The NLC + NXB are fully compatible with existing NetLink browser-based software and Multi-Site Manager (MSM) Enterprise software from LifeSafety Power. MSM delivers real-time insights into critical information and data related to networked power solutions, ensuring a familiar experience for existing users. Additional integrations with well-known industry access control and security platforms are also in the works.

Managed power has always been about control, visibility, and reliability. The NLC + NXB serve to simplify access to such capabilities. For integrators, these products support easier, faster installs. For end users, they deliver peace of mind and scalability. For both, they future-proof investments.

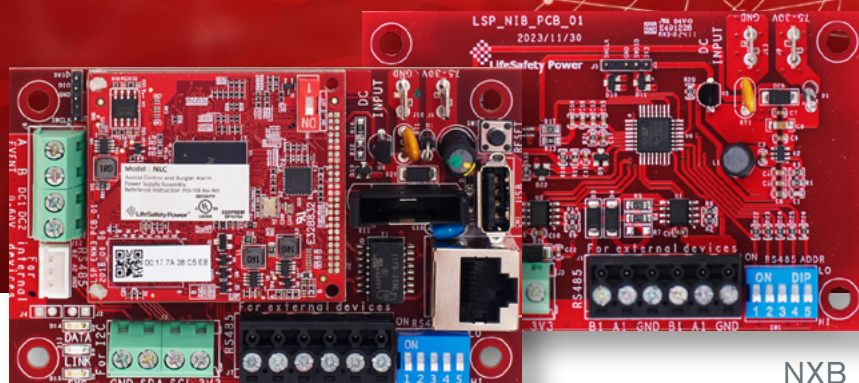
#### LEARN MORE:

Ready to simplify your next managed power install? Explore the NLC + NXB Application Note for real-world deployment details, or visit [LifeSafetyPower.com](https://www.lifesafetypower.com) to dive into specs and discuss upgrading your NL2, NL4, or NLX systems.



# 8x More Locks.

## One Network Drop.



NLC

NXB

### **NetLink Connect NLC and NXB Network Connectivity Modules**

Put unprecedented remote access control management at your fingertips with the new award-winning LifeSafety Power Netlink® Connect NLC and NXB modules.

Securely power cycle 8 times as many locks as an NL4, receive proactive failure alert and monitor battery health—all from the comfort of your chair.

Manage more. Manage smarter.

Explore  
NetLink Connect





tippapatt/stock.adobe.com



## ALLEGION

### **XE360™ SERIES WIRELESS LOCKS AND EXIT TRIM**

Schlage XE360™ Series with RealSync™ offers an intelligent, fully wireless electronic lock designed for your entire building. Using existing Wi-Fi, it provides real-time access control, instant security alerts, and remote management from anywhere. This wire-free solution saves money on installation while providing up to a full year of battery life for a low maintenance, highly reliable access control experience. <https://commercial.schlage.com>



## MARCH NETWORKS

### **SEARCHLIGHT AI**

Searchlight AI brings generative AI to Searchlight Cloud, letting users ask natural-language questions across connected video, transaction, POS, ATM, IoT, alarm and analytics data. It returns conversational insights linked directly to relevant video evidence, helping security and operations teams investigate faster, uncover patterns and unusual activity, and move from complex data to informed action in seconds.

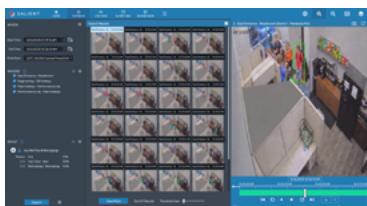
<https://www.marchnetworks.com/analytics/>



## MARCH NETWORKS

### **MARCH NETWORKS CLOUD STORAGE**

March Networks Cloud Storage gives organizations flexible cloud video retention through Active and Deep Storage. Active Storage keeps critical footage immediately available for playback, streaming and download, while Deep Storage provides cost-effective retention for one to three years or longer. Automated policies transition video between tiers, helping reduce infrastructure complexity, scale retention and control long-term storage costs. [www.marchnetworks.com/cloudstorage](http://www.marchnetworks.com/cloudstorage)



SALIENT

## OPEN ARCHITECTURE CONNECTS THOUSANDS OF CAMERAS

CompleteView's open architecture connects thousands of cameras, access control systems, and analytics, so you can view, record, manage, and search your video in one place. Enhanced Search adds a search layer built on metadata generated at the camera level and indexed within CompleteView's Event Service, delivering faster investigations without significant changes to your existing infrastructure.

<https://www.salientsys.com/products/enhanced-search/>



VIEWSCAN

## DELIVERING AI-POWERED SECURITY MONITORING

ViewScan Protect delivers AI-Powered monitoring for security & operational intelligence that reduces costs, increases operational efficiency, and creates a smarter and safer world for customers. The solution unifies input from video surveillance, access, and sensor technologies, advanced video analytics and the real-time intelligence of mission-oriented remote security operators, primarily disabled American Veterans.

*ViewScan Protect — AI Threat Detection & Veteran Operators*



HYTERA

## PRODUCT OF THE YEAR

Hytera's MNC360 mobile PoC radio connects security patrols through the HORIZON platform over 4G/LTE cellular networks. A multi-carrier SIM improves coverage with automatic carrier failover. Clear audio, tactile controls, and dedicated emergency calling support mobile teams. HORIZON Dispatch adds GPS tracking and speeding alarms, helping supervisors coordinate patrols, monitor vehicles, and respond quickly across multiple campuses and customer locations nationwide.

<https://www.hytera.us/push-to-talk-over-cellular-poc-solution/>



I-PRO

## THE EDGE AI CAMERA YOU CAN TALK TO

The i-PRO X-series Fisheye combines 360-degree panoramic coverage with generative AI running entirely on the camera. Powered by Ambarella's CV72 SoC, it enables real-time detection and natural-language forensic search, adapts to each site through AI On-site Learning, and extends AI to existing cameras. Video remains on-premises, protected by a FIPS 140-3 Level 3-certified secure element.

[https://i-pro.com/products\\_and\\_solutions/us-en/surveillance/products/new-products/cv72-fisheye-edge-ai](https://i-pro.com/products_and_solutions/us-en/surveillance/products/new-products/cv72-fisheye-edge-ai)



I-PRO

## SECURITY RADAR ADVANCED PERIMETER PROTECTION

i-PRO Security Radar provides early awareness, wide-area monitoring, and AI-driven verification to enable reliable 24/7 protection. Using 60 GHz radar technology and edge-AI PTZ integration, it detects and tracks people and vehicles in darkness, rain, fog, and extreme weather conditions. Security Radar helps reduce false alarms, improve situational awareness, and enable faster, more confident security response. [https://i-pro.com/products\\_and\\_solutions/us-en/surveillance/products/new-products/security-radar](https://i-pro.com/products_and_solutions/us-en/surveillance/products/new-products/security-radar)



LifeSafety Power®

ASSA ABLOY EMS

## NEXT GENERATION REMOTE MONITORING

NetLink Connect is the next generation of LifeSafety Power NetLink®, enabling scalable remote monitoring, control, and management of connected devices. Network connectivity starts with a single NLC – the primary NetLink board – which expands through up to 31 NXBs, letting one network drop securely support up to 64 managed modules. OSDP connections between enclosures strengthen security while simplifying in-field wiring.

[lifesafetypower.com/en/support/articles/netlink-connect-transition](https://lifesafetypower.com/en/support/articles/netlink-connect-transition)



## Media for Security Suppliers, End Users and IT Decision Makers



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