SAFETY
REIMAGINED

SAFE
SCHOOLS

NEXT GENERATION SAFETY FOR
THE NEXT GENERATION

MOTOROLA *SOLUTIONS*

CREATING SAFE SCHOOLS

Keeping our schools safe and our students focused on learning have become top priorities for teachers, parents, and communities nationwide. That's because threats to school safety and security continue to rise. Today's staff and teachers are not only responding to everyday incidents, such as hallway altercations or minor health emergencies, but also critical emergencies.

Communications and safety technology is evolving to help schools meet these security challenges and ensure that students feel secure, supported, and ready to learn at all times. We envision a world where technology works seamlessly together to respond to everyday emergencies while also recognizing patterns, anticipating actions and preventing situations before they escalate into emergencies. We call this vision — Safety Reimagined.

At Motorola Solutions, we've made this vision a reality by building a unified and connected technology ecosystem that integrates critical communications, video security, data and analytics, and is built on one common operating platform — giving Schools the systems they need to detect, analyze, communicate and respond to unfolding incidents or threats.

The same technology that keeps your team and facility safe also makes you better at everything you do. Safety Reimagined integrates the fundamental technologies to keep your facility connected and operations efficient — providing the assurance of safety you need so students and staff can focus on their learning and development.

LAND
MOBILE RADIO
COMMUNICATIONS

SAFE
SCHOOLS

VIDEO
SECURITY &
ACCESS CONTROL

COMMAND
CENTER
SOFTWARE

MANAGED &
SUPPORT SERVICES

DETECT   ANALYZE   COMMUNICATE   RESPOND

EXAMPLE USE CASE: PERIMETER ALERT

Our Safe Schools integrated ecosystem allows you to address everyday concerns as well as emerging situations through the four pillars — Detect, Analyze, Communicate and Respond.

We will explore how these pillars work together to address your school's challenges through the example of responding to a perimeter alert.

DETECT

Managing your school grounds can be a challenge. From overseeing multiple building entries, controlling student and visitor activity, and monitoring access, detection plays a critical role in improving situational awareness and minimizing potential threats. Integrated video security monitors and identifies unusual activity and potential intruders across your campus. Automatic license plate recognition analyzes vehicles entering and exiting campus — detecting and reporting suspicious vehicles on school property. Building entry management provides access control, automates lockdowns and pushes notifications of potential entry breaches to your School Resource Officers' radios.All of this comes together to provide you with better insights — so you can focus on keeping students and teachers focused on learning.

DETECTION OUTCOMES

Secure And Monitor Access To Your Campus Buildings

Manage staff, student and visitor access to buildings or restricted areas on school grounds using a role-based system with instant detection of individuals at access points. Receive instant notifications via text message and text-to-voice alerts on radios or smartphones of an access point breach.

Maintain Proactive Awareness for Suspicious Activity

Capture critical details and enhance visibility across campus with specialized cameras for every location – such as fisheye for classrooms, multi-sensor for hallways, and pan-tilt-zoom for parking lots. Combined with video analytics technology, video security technology allows for a holistic view for any unusual movement such as vehicles driving the wrong direction or individuals loitering.

Be Alerted on Who is Coming and Going from your Campus

Monitor the main entrances and exits to your campus using License Plate Recognition analytics and automatically alert security when a known vehicle enters school grounds. Using Watch List Alerting, you can identify people of interest based on a secure, controlled watch list created and maintained by authorized individuals. Whether a banned individual drives into your parking lot or walks onto the property, all relevant staff are notified and the appropriate response plan is engaged.

Get Visibility into Escalating Situations

Receive critical alerts directly on your radio with sensor and camera analytics that connect seamlessly with your system, monitor activity and provide for a more focused response. Alerts are consequently sent to appropriate staff directly on their radios so the appropriate resources can be dispatched to address the situation.

FEATURED TECHNOLOGY

Access Control

Manage access to different buildings or restricted areas within your facilities using a role-based system with instant detection of individuals at access points and camera-based verifications.
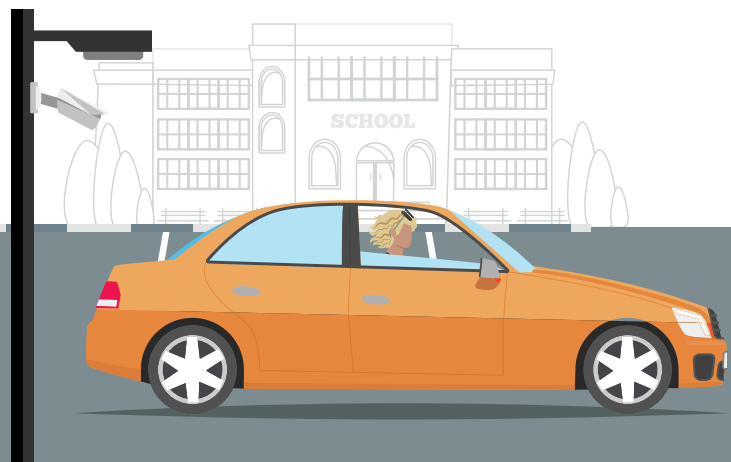
Video Security and Analytics

Deter threats and enhance visibility across your facilities with specialized wide-view cameras for every location — such as fisheye for classrooms, multi-sensor for hallways, and pan-tilt-zoom for parking lots. Ensure situational awareness is always maintained by sending instant notifications of these analytics to the appropriate individuals on the device of their choice from radios to smartphones and more.

PERIMETER ALERT - DETECT

LICENSE PLATE RECOGNIZED

Suspended student's license plate detected entering school grounds and school security automatically receives an alert on their device of choice and in the command center.

ANALYZE

Every day, you're responsible for monitoring a large campus to maintain the safety of hundreds of students, teachers and staff. Scouring through the collected data in order to recognize concerning behaviors on and around campus is a demanding task. Video analytics detect potentially suspicious activity on school property, providing real-time insights into campus movements. Appearance searches quickly and seamlessly explore video footage and locate students and visitors through physical descriptions, allowing easy identification. Unusual motion detection reveals atypical events which need investigating. Ultimately, these insights enable proactive monitoring and management across campus — enabling you to respond to suspicious behavior before an incident occurs.

ANALYTIC SOLUTIONS

Track and Locate Persons of Interest in Real-time

Pin-point the location of specific individuals in your buildings or on your campus to respond to or prevent potential incidents. Using video analytics, security resource officers and administrators can respond quickly to identify the location of a student or staff member by using their appearance, shoes or clothing as an identifying characteristic to begin the search. Prevent potential escalations by automatically populating relevant cameras if a suspicious person is identified at your facility and monitor their path of trajectory.

Actively Monitor the Location of Response Resources

Determine your closest resources to an incident for the most efficient and timely response. Whether your guests have requested room service, need security personnel, or an emergency is taking place, leveraging the mapping of the real-time GPS location of devices and people can enable your staff to increase their efficiency and promptly respond to any situation at hand.

Quickly Evaluate a Situation on a Single View

Save seconds and see a holistic view of the situation by populating all nearby cameras to an incident with a single click. Easily identify where action is required and view all available intelligence aggregated onto a single screen.

FEATURED TECHNOLOGY

Appearance Search

Find who you are looking for faster with video search that can be initiated by selecting specific physical descriptions such as hair or clothing color, gender, age category or vehicle type and color.

CommandCentral Aware Enterprise

Determine your closest resources to an incident for the most efficient and timely response. Whether your guests have requested room service, need security personnel, or an emergency is taking place, leveraging the mapping of the real-time GPS location of devices and people can enable your staff to increase their efficiency and promptly respond to any situation at hand.

PERIMETER ALERT - ANALYZE

SITUATIONAL INTELLIGENCE GATHERED

Through a watch list of known individuals, the intruder is automatically detected approaching the school. Security receives a notification every time the intruder comes into view of a camera to monitor their movements.

COMMUNICATE

Whether it's a routine fire drill, a sudden food fight in the cafeteria or an emergency situation, clear and timely communication is key to creating a connected and protected campus. Communications — including radios and LTE devices — instantly and reliably connect your security, administration, bus drivers and staff. Radio alerts ensure key personnel are informed of critical alerts. Mass notification enables you to send critical information to faculty, staff, parents and guardians quickly and easily, keeping the community aware of campus activity. Connectivity — both on and off campus — is an important part of creating a safe and collaborative educational environment where you and your team are always aware.

COMMUNICATION SOLUTIONS

Instantly Share Information Across Multiple Teams or Campuses
Distribute intelligence across multiple devices and facilities for seamless communication no matter where your teachers, staff, administrators or bus drivers are located. Images of missing students, suspicious vehicles or disruptive individuals can be shared with a press of a button for an efficient response from your security officers and administrators to intercept potential escalations.

Broadcast Mass Notification Alerts to Relevant Staff
Notify and enable your teachers and staff at a moment's notice with automated alerts sent via text, email or voice message from laptops or smartphones. Send multimedia and data rich intelligence to multiple groups – on and off campus – to provide everyone with the most up to date information.

Manage and Access All Communications From a Single View
Simplify and standardize your dispatch process and workflow with streamlined dashboard views and instant communication across multiple devices from a single desktop application.

Transmit Multi-Media Intelligence
Live video and intelligence can be shared with security officers monitoring building entrances to intercept individuals and prevent them from entering the facility. Share real-time images of suspicious vehicles or individuals across your staff and security teams to ensure a seamless share of relevant information over a privately owned broadband network.

FEATURED TECHNOLOGY

MOTOTRBO Radios
MOTOTRBO Ion brings together renowned PTT performance, an open app ecosystem on the Android platform, and access to the Motorola Solutions technology ecosystem — including video security and analytics, and best-in-class network security. With Ion, teams stay connected across networks and devices. Business-critical data and workflows are unified and simplified. And the capabilities your team needs to be at their best are always on. An intuitive touchscreen lets you view high resolution images, and an integrated camera lets you send — even stream — photos and videos.

NITRO Private LTE
Ensure every student can access online learning programs from the safety of their own homes and share multimedia and data across your campus or facilities using a privately owned broadband network.
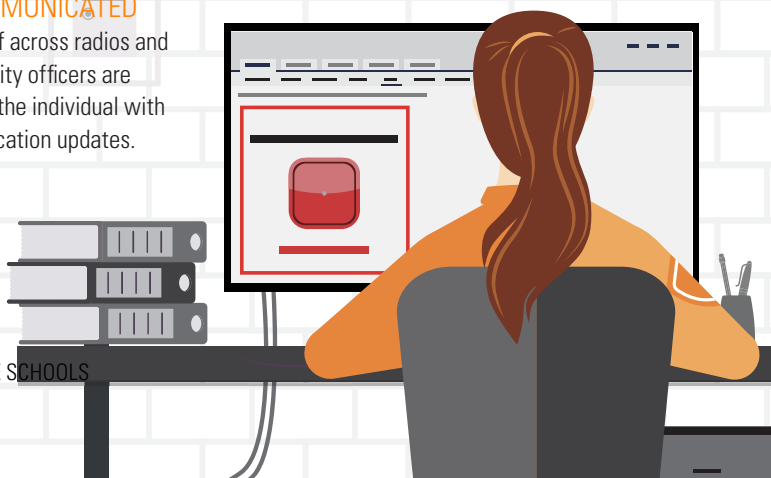
WAVE PTX/TLK
Share voice and data without boundaries, enabling smart phones with push-to-talk capabilities enhanced with the ability to push details via text, photo, video or file attachment to smartphones, tablets, laptops and even land-lines.

PERIMETER ALERT - COMMUNICATE

NOTIFICATION COMMUNICATED
Alert dispatched to staff across radios and smartphones, and security officers are dispatched to intercept the individual with images and real-time location updates.

RESPOND

Whether it's an everyday situation or an emergency, being ready and aware is critical to ensuring your team can quickly respond to whatever situations may arise. Having a comprehensive communications and action plan that can be seamlessly activated ensures your teachers and staff are able to respond calmly and effectively with minimal disruptions to the learning environment. Emergency connectivity ensures instant access to your local law enforcement agency for immediate notification and effective engagement of emergency response teams. Mission-critical devices provide interoperability and seamless communications when you need it most. Real-time intelligence shares alerts and live video feeds with campus personnel and public safety, enabling a coordinated and informed response and providing eyes on the scene for your security staff and local first responders. Because enabling rapid response and documenting past incidents can be the key to preventing incidents from becoming tragedies.

RESPONSE OUTCOMES

Dynamic Communication with Public Safety
Optimize response times to situations and incidents that require additional emergency response resources. Proactively engage directly with public safety using radio networks to share situational and location intelligence updates before their arrival on scene. Compile and deliver video footage to law enforcement teams for future incident prevention.

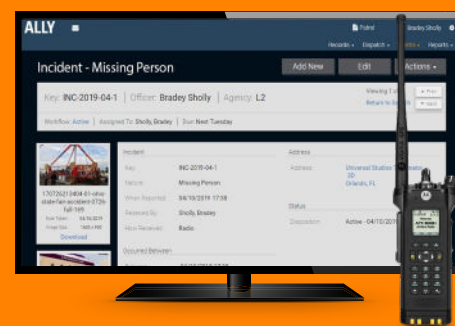### Provide Critical Incident Insights
Provide critical incident insights and eyes-on-the-scene with real-time video from your command center to staff in the field. Updates are communicated directly with relevant security staff and administrators on their devices of choice to ensure the safety of your teachers and students while they respond to everyday incidents and emergency situations.

Document Incidents for Future Prevention
Save time with automatic population of incident data for efficient reporting and documentation. All relevant information and video captured is securely and seamlessly stored and documented and can be shared with the security team, schools within the district or public safety.

Increase Workforce Efficiency
Achieve a seamless flow of communication and information across teams with two-way radio communications. Enable seamless coordination and connectivity — regardless of the situation — with interoperability between school personnel and local law enforcement to ensure a rapid response.

FEATURED TECHNOLOGY

Ally
Streamline end-to-end incident and records management with customizable record fields and multimedia attachments, all accessible from web-enabled devices.

Critical Connect
Easily enable and disable dynamic, seamless and secure temporary communication links between networks with interoperability between response teams and on-site staff, and even with local first responders.

PERIMETER ALERT - RESPOND

FIRST RESPONSE DISPATCHED
Local police directly informed with video for immediate first response. An incident report is then securely documented with all relevant information using pre-populated fields.

AUTOMATE WORKFLOWS. CONFIGURE YOUR TECHNOLOGY. ELEVATE THE GUEST EXPERIENCE

Time is precious. Managing the communications, video and software that comprise your security and operations technology ecosystem can be time-consuming, and task. What if there was a way for you to focus on what matters most and automate the rest? That's why we created Orchestrate. It's a simple, user-friendly and cloud-based interface tool that gives administrators the ability to configure and automate workflows that control their integrated security technology ecosystem. These intelligent, automated workflows also enhance efficiency as well as improve response times, effectiveness and overall personnel safety. It equips your security network operations teams with the capabilities they need to detect triggers across a number of installed devices and quickly take actions to reduce risk of breaches and downtime by automatically alerting the appropriate teams and executing the proper procedure. Orchestrate makes managing your day-to-day operations effortless by providing a self-service workflow management tool at your fingertips.

KEY FEATURES

Complex Workflows, Simplified.

Our business workflow automation solution, Orchestrate, is designed for your unique ecosystem. It allows you to integrate individual processes, fully manage and optimize workflows, and deliver a consistent response every time. The number and complexity of workflows can scale to meet the needs of your operations. Because Orchestrate is a secure, cloud-based, cross-technology platform, users can access and build customized solutions from anywhere, at any time.

AUTOMATION

Let Intelligent Workflows Do the Work.

Your organization is being continually challenged to do more with less — and to do it quickly, efficiently and cost-effectively — all while protecting people's safety. When you are able to immediately recognize and respond to threats and unexpected events, you are able to focus on the work at hand. Ensuring nothing is missed. From simple machine-assisted decision-making to complex workgroup action and event management, Orchestrate empowers you to address the unique challenges of your operation, automatically. All so you can keep your focus on what matters most.

EMPOWER YOUR OPERATIONS

Address the unique challenges of your operation, automatically.

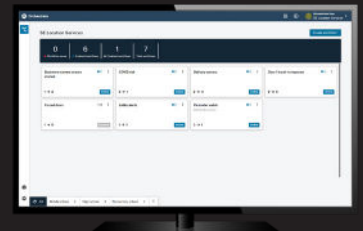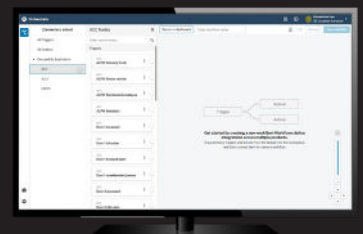| AUTOMATE WORKFLOWS	IDENTIFY BOTTLENECKS	BOOST PRODUCTIVITY	INCREASE FOCUS	IMPROVE TRANSPARENCY
Expand reach	Minimize inefficiencies	Reduce manual effort	Focus on high value activities	Track status at every stage

HOW ORCHESTRATE WORKS

Self-service workflow creation.

Administrators can create rule-based, automated workflows between their technology sleeves to enhance efficiency as well as improve response times, effectiveness and overall safety.
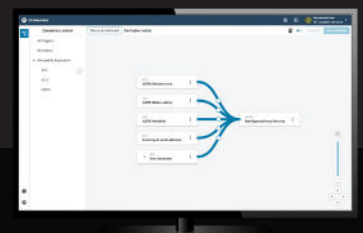
EXPLORE

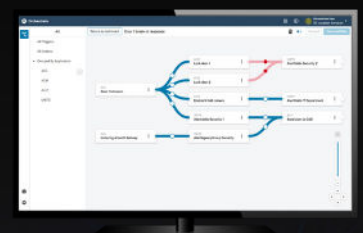Easily scale operational views for effective workflow management

DEFINE

Establish business logic with a simple-to-use, graphical interface

CONFIGURE

Create automated workflows for machine-assisted decision-making

ACTIVATE

Leverage analytics to trigger conditional logic, thereby alerting and informing relevant teams

TAKE SCHOOL SAFETY TO THE NEXT LEVEL

It's time to reimagine what safety can do — driving efficiencies, bolstering performance and helping you deliver a secure and supportive school environment for children to learn.

By bringing together the technologies and solutions you need to detect, analyze, communicate and respond, Motorola Solutions' Safe Schools integrated technology ecosystem is helping you build a safer school. So you can attract families to communities where students can thrive. And where you can recruit the best teachers and faculty who can focus on educating the next generation.

#1
priority for schools is protecting staff, students and visitors with safety features.*

*2021 Motorola Solutions Education Survey

Learn more at:
motorolasolutions.com/safeschools

MOTOROLA SOLUTIONS