



# NEXT GENERATION SAFETY FOR THE NEXT GENERATION





# CREATING SAFE SCHOOLS

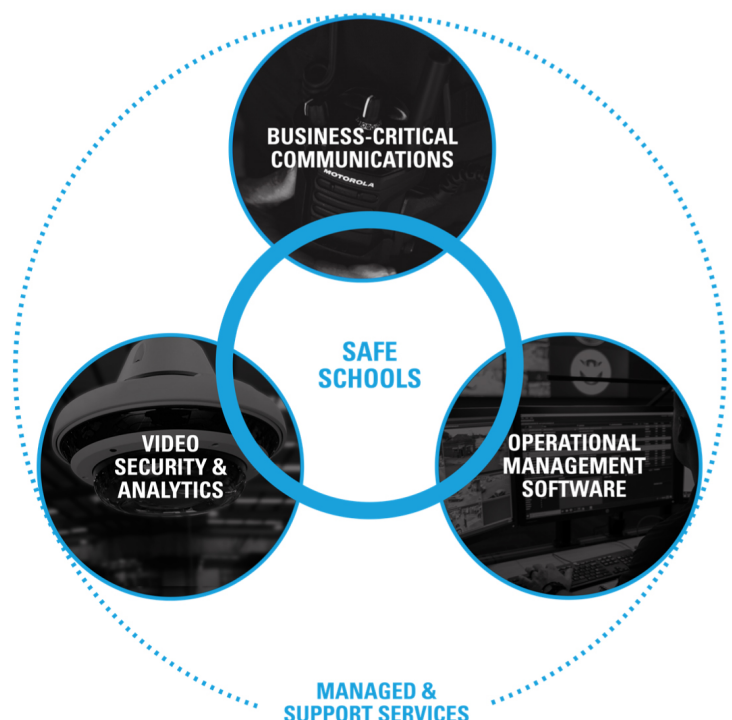
Our nation's schools are supposed to be safe for teaching and learning, free from crime and violence — a place where the next generation can grow and learn.

Yet everyday incidents, like a fight in a hallway, an allergic reaction on the playground or an injury in gym class, threaten to disrupt the educational process. Beyond these incidents, the rise of extreme events — including active shooters and bomb threats — are challenging schools to prepare for worst-case scenarios.

At Motorola Solutions, we have created the mission-critical ecosystem you need to build a safer school environment. Combining voice, video, software and services, our ecosystem helps you not only respond and manage both the everyday and the critical emergencies, but also recognize patterns, anticipate actions and help prevent situations as they develop.

Our breadth of solutions bridges the gap in areas of risk, which often thrive in the unknown and the unseen. They provide schools with the capabilities to detect, analyze, communicate and respond to potential incidents. Through the power of the ecosystem, schools are better equipped to prevent security threats from becoming tragedies. By enabling modern incident management, they ensure that students are safer and personnel can focus on the job at hand.

**BECAUSE THE ONLY THING STUDENTS SHOULD WORRY ABOUT IS THEIR NEXT EXAM.**



# MANAGING TODAY'S CHALLENGES



## DETECT

CommandCentral Community  
Video Security  
License Plate Recognition  
Watchlist Alerting  
Access Control



## ANALYZE

Appearance Search  
Identity Search  
Unusual Motion Detection  
Focus of Attention  
Self-Learning Video Analytics



## COMMUNICATE

MOTOTRBO Two-way Radios  
Radio Alert  
WAVE Push-to-talk Communications  
Communicator: Mass Notification  
Ally Incident & Records Management



## RESPOND

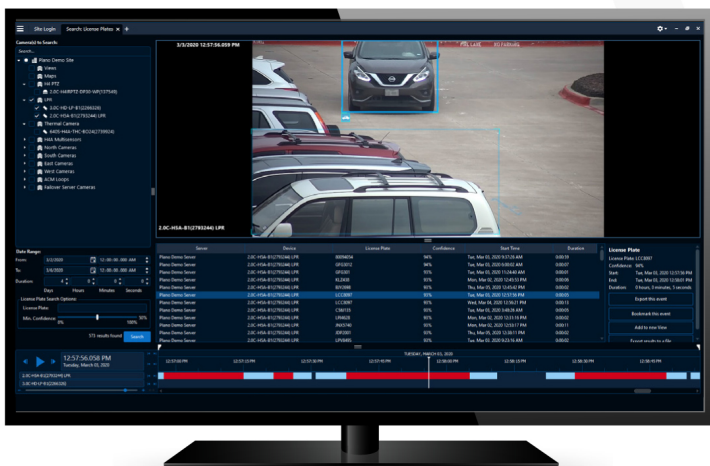
Ally Dispatch  
CommandCentral Aware  
Mission-Critical Communications  
Critical Connect  
Access Control for Emergency Response

## DETECT

Managing your school grounds can be a challenge. From overseeing building entries, controlling student and visitor comings and goings, and monitoring access, detection plays a critical role in minimizing potential threats.

Integrated video security monitors and identifies unusual activity and potential intruders across 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 lock downs and pushes notifications of potential entry breaches to your School Resource Officers' radios.

All of this comes together to improve your situational awareness and help increase early risk detection.



License Plate Recognition

## DETECTION SOLUTIONS

### COMMANDCENTRAL COMMUNITY

Ensure anonymous, confidential tip submissions using a web-based form, enabling students to “say something” at any time from their laptop or smartphone.

### VIDEO SECURITY

Capture critical details and enhance visibility across campus with specialized cameras for every location — such as fisheye for classrooms, multi-sensor for hallways, high definition for parking lots.

### LICENSE PLATE RECOGNITION

Monitor all roads approaching and surrounding your campus and automatically alert security and law enforcement when threat-designated vehicles enter school grounds.

### ACCESS CONTROL

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.

### WATCHLIST ALERTING

Identify people of interest based on a secure, controlled watch list created and maintained by authorized users at the school.



# ANALYZE

Every day, you're responsible for monitoring a large campus to maintain the safety of hundreds of students. 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.

**57%** of teens are “somewhat worried” or “very worried” a shooting will occur at their school.<sup>1</sup>

## ANALYTIC SOLUTIONS

### APPEARANCE SEARCH

Find who you are looking for faster with searches using both physical descriptions and facial analytics.

### IDENTITY SEARCH

Map personnel movements on-site with video feeds intelligently integrated with ID badge and credential activity tracking in order to visually retrace campus movements.

### UNUSUAL MOTION DETECTION

Reveal atypical events with artificial intelligence that “learns” typical activities and flags unusual motion — turning unknowns into insights.

### FOCUS OF ATTENTION

Easily identify where action is required with potentially critical video activities identified by color-coded hexagons so you can focus your attention on what’s important.

### SELF-LEARNING VIDEO ANALYTICS

Monitor school properties 24/7 with video software that detects abnormal or concerning activity to enable immediate response.



Appearance Search



***"We can now search camera feeds in just a few clicks. The time saved helps us respond to or gather information regarding incidents in a much more efficient and timely manner. This technology allows us to be proactive rather than reactive when it comes to school safety."***

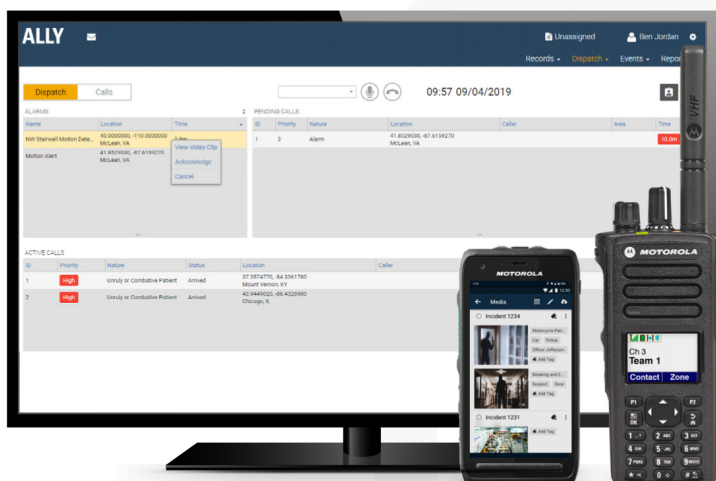
***– Lucas Klipsch, Assistant Principal of Perry Meridian High School***

## 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 all personnel are informed of critical alerts. Mass communicators enable you to send key information to 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.



Incident Management & Records

### COMMUNICATION SOLUTIONS

#### MOTOTRBO TWO-WAY RADIOS

Ensure your team can hear and be heard across campus with superior voice clarity, long battery life and outstanding range.

#### RADIO ALERT

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.

#### WAVE PUSH-TO-TALK COMMUNICATIONS

Communicate instantly regardless of device, network or geographic boundaries with extended connectivity and reach that enables sharing to smartphones, tablets, laptops and even land-lines — enhancing situational awareness.

#### COMMUNICATOR - MASS NOTIFICATIONS

Notify and mobilize critical personnel at a moment's notice with automated alerts sent by text, email or voice message from laptops or smartphones, ensuring easy information sharing across groups.

#### ALLY INCIDENT & RECORDS MANAGEMENT

Enhance incident and records management with customizable record fields and multimedia attachments, all accessible from web-enabled devices, promoting proactive trend analysis and security planning.

# RESPOND

Whether it's an everyday situation or an emergency, being ready and aware can make a critical difference. Having a comprehensive communications and action plan that can be seamlessly activated ensures your personnel 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 school staff.

Because enabling a rapid response can be the key to preventing incidents from becoming tragedies.

More than **228,000** students have experienced gun violence at **234** schools since Columbine in 1999.<sup>2</sup>

## RESPONSE SOLUTIONS

### ALLY DISPATCH

Simplify and standardize your dispatch process and workflow with dashboard views and interconnectivity across devices, networks and locations.

### COMMANDCENTRAL AWARE

Provide incident insights with real-time video and direct connections between your school and local law enforcement, giving police eyes on the scene in seconds for a more informed response.

### P25 MISSION CRITICAL COMMUNICATIONS

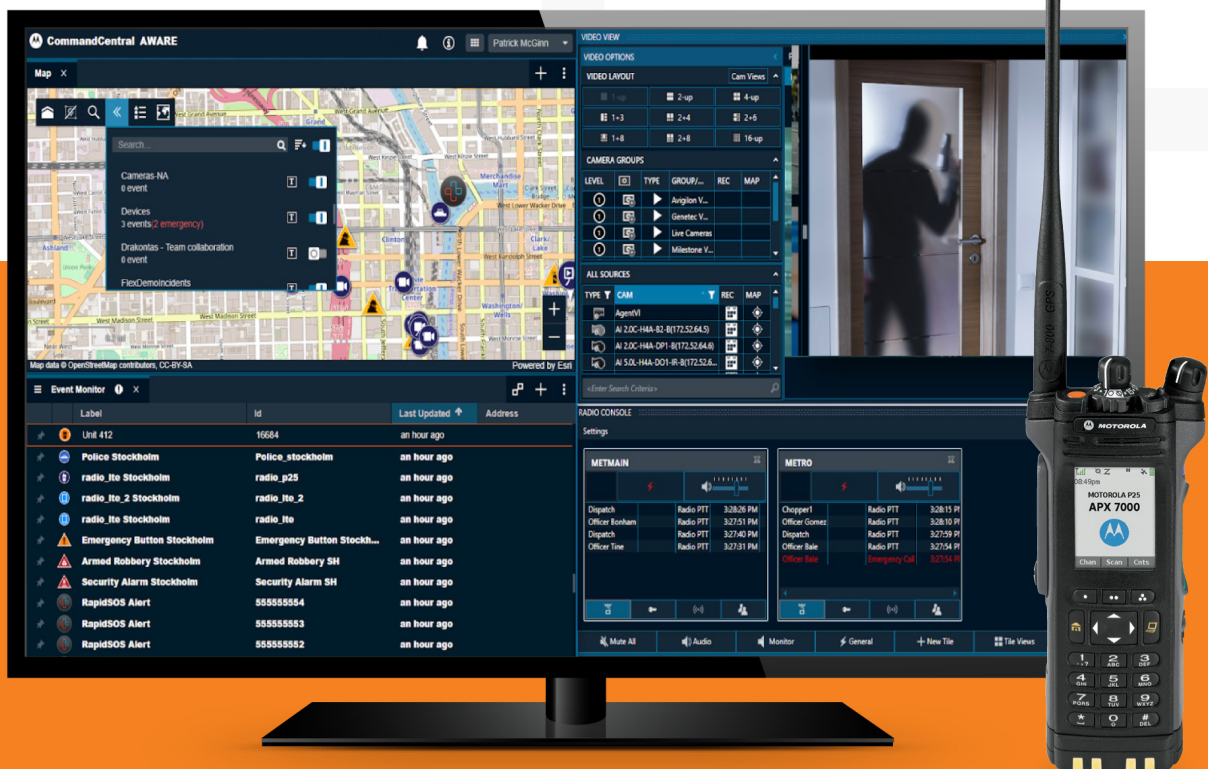
Enable seamless coordination and connectivity – regardless of the situation – with interoperability between school personnel and local law enforcement to ensure a rapid response.

### CRITICAL CONNECT

Establish real-time coordination and dynamic, seamless, secure communication with connectivity between two-way radios and smartphones whenever and wherever it is needed.


### ACCESS CONTROL FOR EMERGENCY RESPONSE

Empower an immediate first response with full access to rule-based actions and notifications from any workstation, ensuring management of all ingress and egress points anytime, anywhere.



CommandCentral Aware





***“The system has significantly increased the security of our large building. Coverage of 20 access points to our building is an enormous task for our administrative team. We now have access to respond to all breaches in a moment’s notice. In the past, we may or may not have even known our exterior doors had been breached.”***

***– Kert Boedicker, Principal of Perry Meridian High School***

## SERVICES

Effectively managing a complex ecosystem can be complicated. You need the right service support and management to ensure your day-to-day needs are taken care of — ensuring smooth operations. Motorola Solutions’ unique service offerings provide technical support, hardware repair and replacement, and software updates to ensure your two-way radio, infrastructure and cameras are always working at peak performance.

### TECHNICAL SUPPORT

Effectively troubleshoot and promptly resolve technical and non-technical issues with dedicated experts.

### REPAIR AND REPLACEMENT

Protect system components from normal wear and tear and keep them in operation with state-of-the-art diagnostics equipment, repair tools and replacement parts.

### SOFTWARE UPDATES

Ensure continuous security, extended performance and enhanced functionality of two-way radios, infrastructure and cameras with certified and pre-tested software updates.

**92%** of educators report that creating a safe, secure environment is a priority.<sup>3</sup>



# MOTOROLA SOLUTIONS GRANT ASSISTANCE PROGRAM

In order to provide schools and other educational organizations with a comprehensive resource for grant information and assistance, Motorola Solutions has partnered with EducationGrantsHelp to provide:

- Free grant research and automatic weekly alerts
- Free grant consulting from senior grant education experts
- Free grant application and narrative help
- Discounted complete grant writing services

To access these grant assistance services, visit:  
[educationgrantshelp.com/motorola-edugh-grant-assistance](https://educationgrantshelp.com/motorola-edugh-grant-assistance)

# TAKE SCHOOL SAFETY TO THE NEXT LEVEL

Every child has the right to learn in a safe and supportive school environment. By bringing together the technologies and solutions you need to detect, analyze, communicate and respond, we're helping you build a safe 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.

Sources:

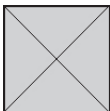
1 [https://www.pewresearch.org/wp-content/uploads/2018/05/PewResearchCenter\\_180418\\_TeensGuns\\_FT-Topline\\_FINALDATES.pdf](https://www.pewresearch.org/wp-content/uploads/2018/05/PewResearchCenter_180418_TeensGuns_FT-Topline_FINALDATES.pdf)

2 <https://www.washingtonpost.com/graphics/2018/local/school-shootings-database/>

3 <https://www.motorolasolutions.com/content/dam/msi/docs/solutions/education/k-12-education/2017-education-survey-ebook.pdf>

Learn more at:

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