BEARCOM®

SAFETY & SECURITY SOLUTIONS FOR SCHOOLS

BearCom integrates wireless voice, video, and data solutions that seamlessly connect your faculty and staff, helping you to know who's on school grounds, keep an eye on students, and work with local Public Safety and health services.

DETECT

ANALYZE

COMMUNICATE

RESPOND

Read More!

IS YOUR SCHOOL ZONE A SAFE ZONE?

THE SAFER SCHOOLS ECOSYSTEM

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 BearCom, 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.

KEEP READING TO LEARN HOW BEARCOM CAN SUPPORT YOUR SCHOOL'S SAFETY STRATEGY.

BUSINESS-CRITICAL COMMUNICATIONS

SAFE SCHOOLS

VIDEO SECURITY & ANALYTICS

OPERATIONAL MANAGEMENT SOFTWARE

MANAGED & SUPPORT SERVICES

BEARCOM®
Always On

SOLUTION TECHNOLOGIES THAT HELP MANAGE TODAY'S CHALLENGES

DETECT

TipSubmit
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

TIPSUBMIT

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.
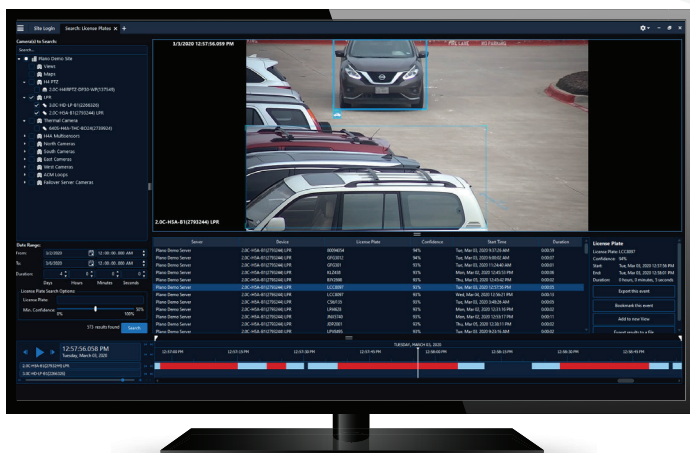
LICENSE PLATE RECOGNITION

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.

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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.[1]

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.
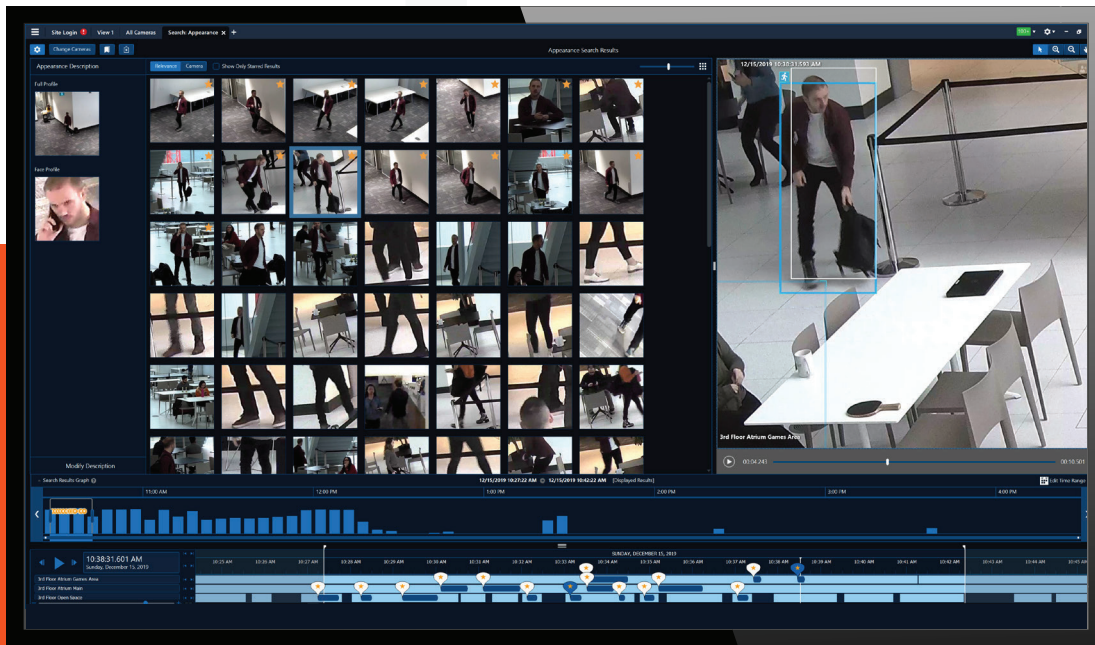
UNUSUAL MOTION DETECTION

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

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"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.
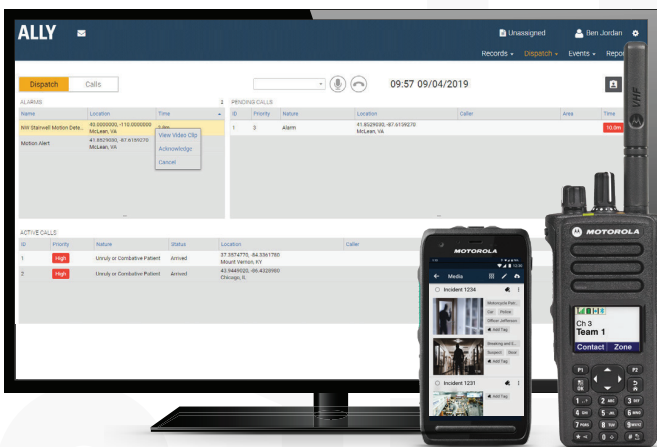
WAVE PUSH-TO-TALK COMMUNICATIONS

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.

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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.**[2]

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.
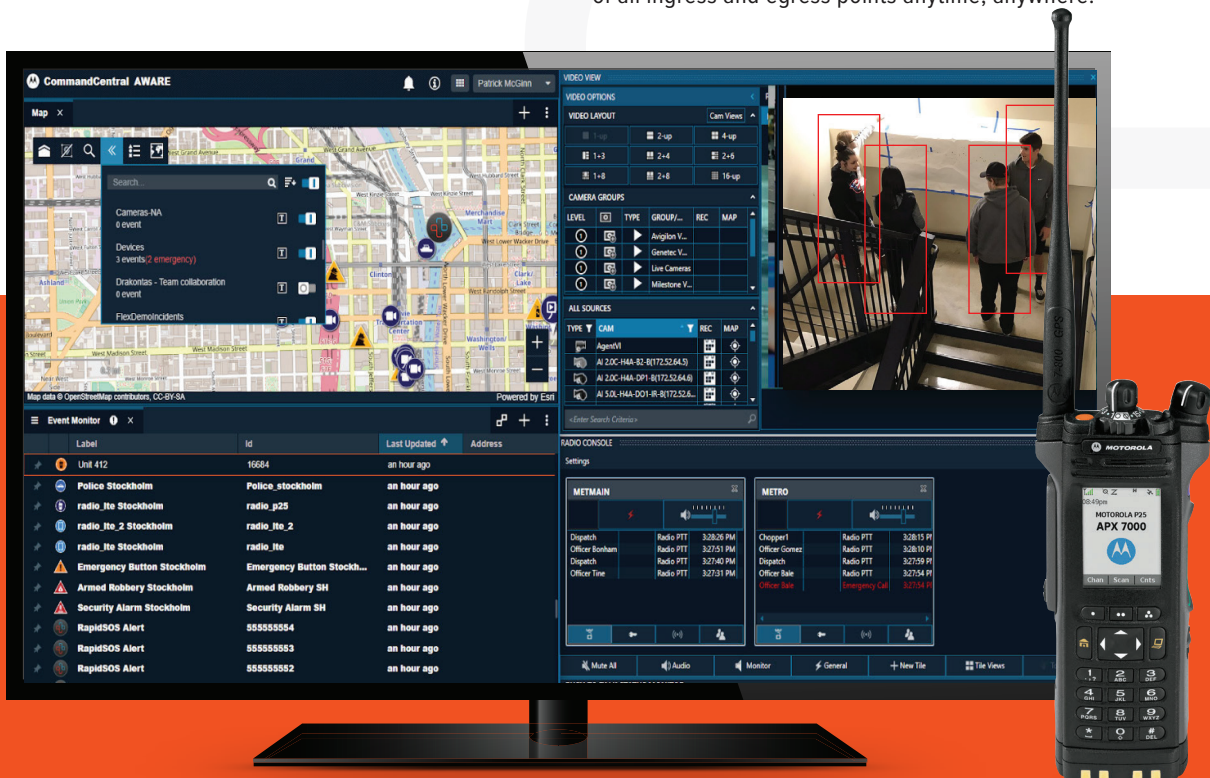
P25 MISSION CRITICAL COMMUNICATIONS

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.

Command **Central** Aware

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FIRST RESPONSE COMMUNICATION
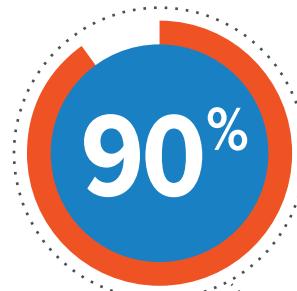## DOES YOUR SCHOOL HAVE THE SIGNAL STRENGTH?

BearCom can help. When it comes to emergency communications, both new and older facilities face challenges. Thick concrete walls, steel beams, and new. As a nationwide communications provider, BearCom has deployed hundreds of BDAs (Bi-Directional Amplifiers) to boost wireless signal strength and ensure first responders can communicate in an emergency.

BDA-DAS SYSTEMS

A Bi-Directional Amplifier (BDA) is part of a Distributed Antenna System (DAS), both of which are signal boosters used to increase coverage for wireless two-way radios and cellular devices. Since variables such as building materials, dead spots, and interference offer unique challenges within a facility, nearly every BDA-DAS solution is custom-designed.

Public Safety BDA/DAS. In many localities, Bi-Directional Amplifiers are mandated in structures such as schools. BDAs are used to boost two-way radio signal strength on Public Safety frequencies to ensure that first responders remain in contact with each other during an emergency. BearCom has extensive experience deploying BDA-DAS signal boosters to meet local codes.
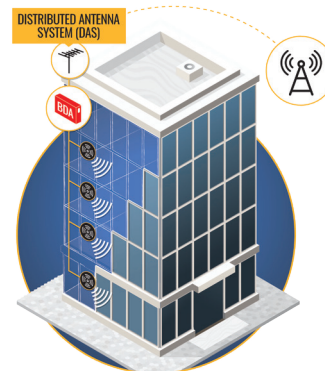
- Public Safety signal boosters must meet FCC guidelines, and often must comply with International Fire Code or National Fire Protection Association statutes.

- IFC 510 requires 95% and NFPA 72, Chapter 24 requires 90% in-building wireless signal coverage. In addition, NFPA requires 99% wireless signal coverage for critical areas like fire pump rooms, exit stairs and passageways, and elevator lobbies.

90%

Did You Know?

About 90% of public safety systems with first-responder in-building wireless radio coverage did not meet existing or impending fire codes from the NFPA and IFC.*

*From www.hetnetmag.com/home/2016/2/24/ four-costly-public-safety-das-mis takes-youre-about-to-make-1.

DISTRIBUTED ANTENNA SYSTEM (DAS)

OUR TOP 10 SAFE SCHOOLS CHECKLIST

1. Do you have voice – video – data solutions in place that your school can share with first responders in real time?

2. Do the right staff members have the communication devices they need to respond in an emergency?

3. Do you have surveillance cameras in place that show activities inside and outside of your building?

4. Do you have a technology in place that allows students to anonymously share safety concerns or threats to proper administrators?

5. Can your schools detect who is entering and leaving your facilities?

6. Does your school have a way to communicate with your buses, and trace what students have gotten on and off the bus?

7. Can your staff restrict intruder access fast?

8. Do your facilities have adequate signal coverage in areas such as stairwells, pump rooms, underground areas, etc.?

9. Does your school comply with Emergency Responder Radio Coverage (ERRC) code?

10. Has your school developed a strong Emergency Operations Plan?

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CONNECTING YOUR CAMPUS

For over 40 years, BearCom has helped schools and universities design and deliver wireless voice, video and data communication solutions that increase safety and security. With over 80 locations and 1,000 employees across the U.S. and Canada, BearCom is Motorola Solutions' largest provider and integrator in the world.

BEARCOM IN ACTION - BASTROP ISD

When newly appointed Bastrop ISD Chief of Police/Director of Safety and Security Scot Bunch arrived on the job, one of his first priorities was to update the district's aging security system. Access points to the schools were not secured and video footage was low resolution and difficult to store or share. Partnering with BearCom, the ISD deployed over 500 surveillance cameras across 15 campuses, 150 of them being Avigilon cameras with AI-learning capabilities. Avigilon's analytic software also integrates with third-party IP cameras, allowing for a smooth migration with little to no downtime. The district also installed several Access Control Points around the school and use two-way radios for an integrated and comprehensive approach to school safety.

> "The safety of our students, staff, and visitors is our #1 goal. Video surveillance with analytics is one of the key ways we can maintain this." -Scot Bunch, Chief of Police

INTEGRATION & SERVICING

360 DOME CAMERAS

ACCESS CONTROL POINTS

H5A CAMERAS

Sources:
1 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/

Explore Strategies to Make Your School Zone a Safe Zone.
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