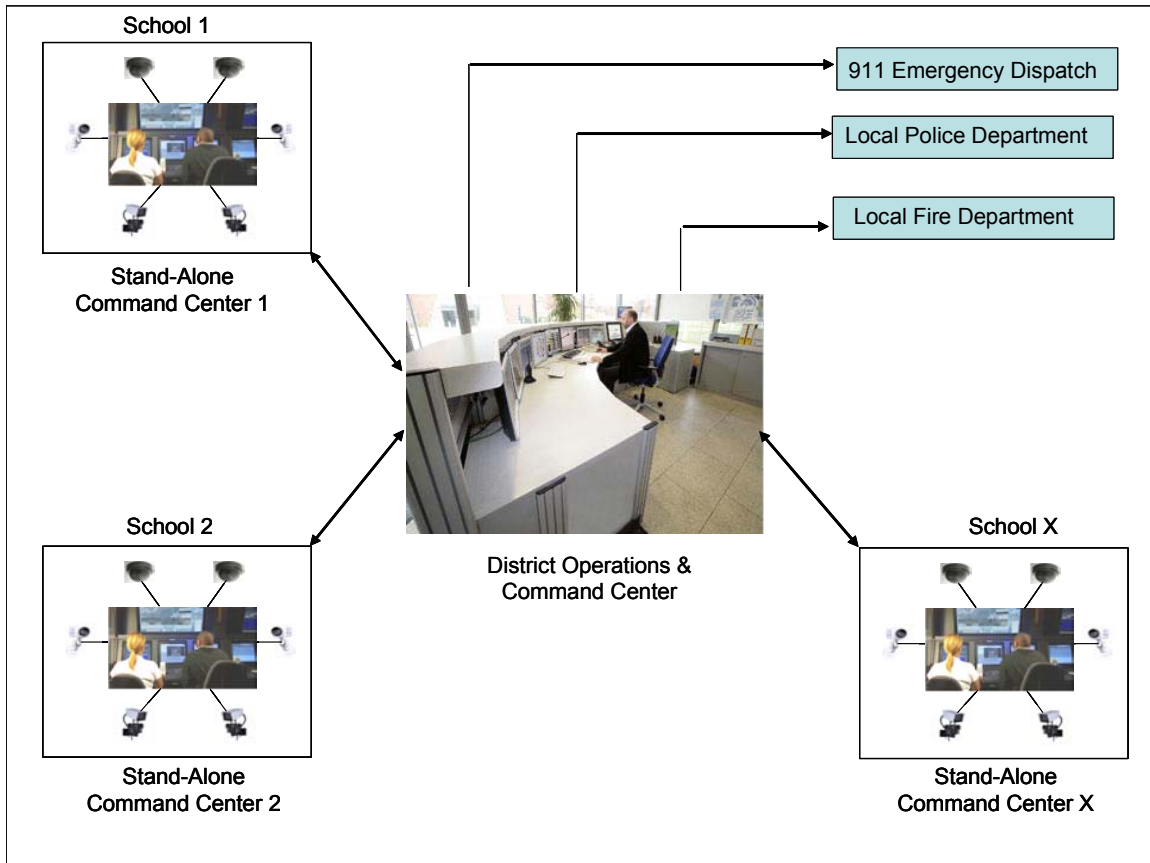


AN ENTERPRISE APPROACH TO SECURITY AND DIGITAL VIDEO SURVEILLANCE



DISTRICT WIDE OPERATIONS & COMMAND CENTER



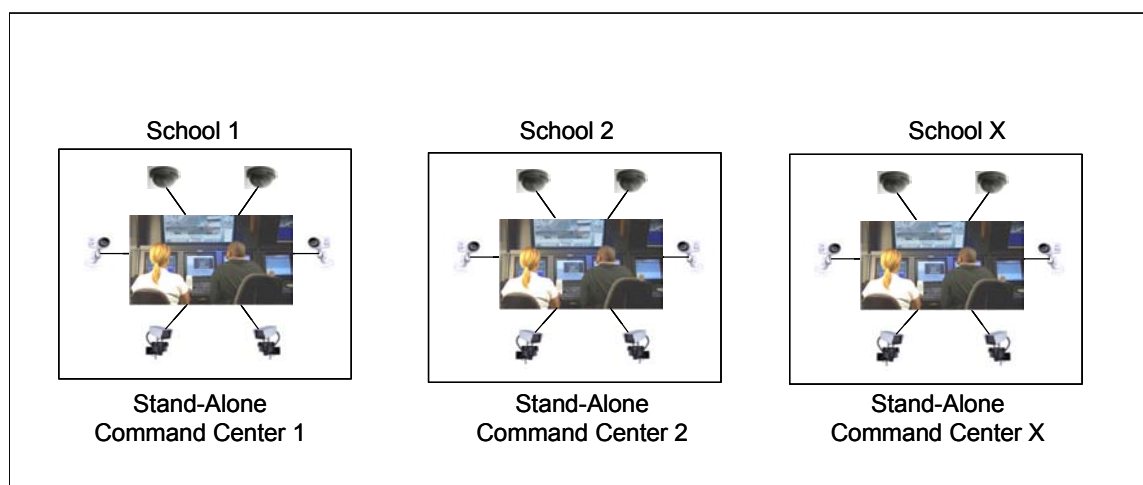
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ENTERPRISE-WIDE VIDEO SURVEILLANCE

Since the increase of violence on school campuses, school districts have made significant investments in an effort to safeguard students, faculty and staff through the use of security technology. The majority of the projects undertaken by schools have been the installation of video cameras. Video cameras strategically placed around a school's campus not only allow security personnel to view real-time activity, but also affords a means of assessing incidents after the fact. Although video cameras are beneficial around school campuses, there are inherent problems of each school specifying and implementing its own security solution instead of it being done at the district level. Some problems are:

- ❑ **Control Center Support** In a self contained campus configuration, a school must bear the cost of staffing and maintaining its own security control center. If there are 10 schools in a school district that has a control center, each school must budget annually to cover the cost of security personnel, required system upgrades, equipment maintenance and training.
- ❑ **Uniform Security Planning** More times than not, in a self contained configuration, each school is responsible for assessing and meeting its security needs. Without a uniform planning strategy, schools sometimes end up with a hodge-podge of equipment that does not deliver the required security measures for which they were purchased. Lack of security planning also leads to the installation of equipment that cannot be expanded which makes it necessary to replace the whole system just to add more security monitoring points.
- ❑ **Crisis Evaluation & Response** In a self contained control center, the responsibility to effectively coordinating the response to incidents resides with the local security staff. While this may be sufficient for routine incidents, it may not provide the necessary connectivity with outside law enforcement and other district personnel that is essential when handling an extremely dangerous and life threatening situation. If the control center is lost during an incident, effective and timely communications with district personnel may never materialize, greatly diminishing district personnel's ability to effectively deal with situation.

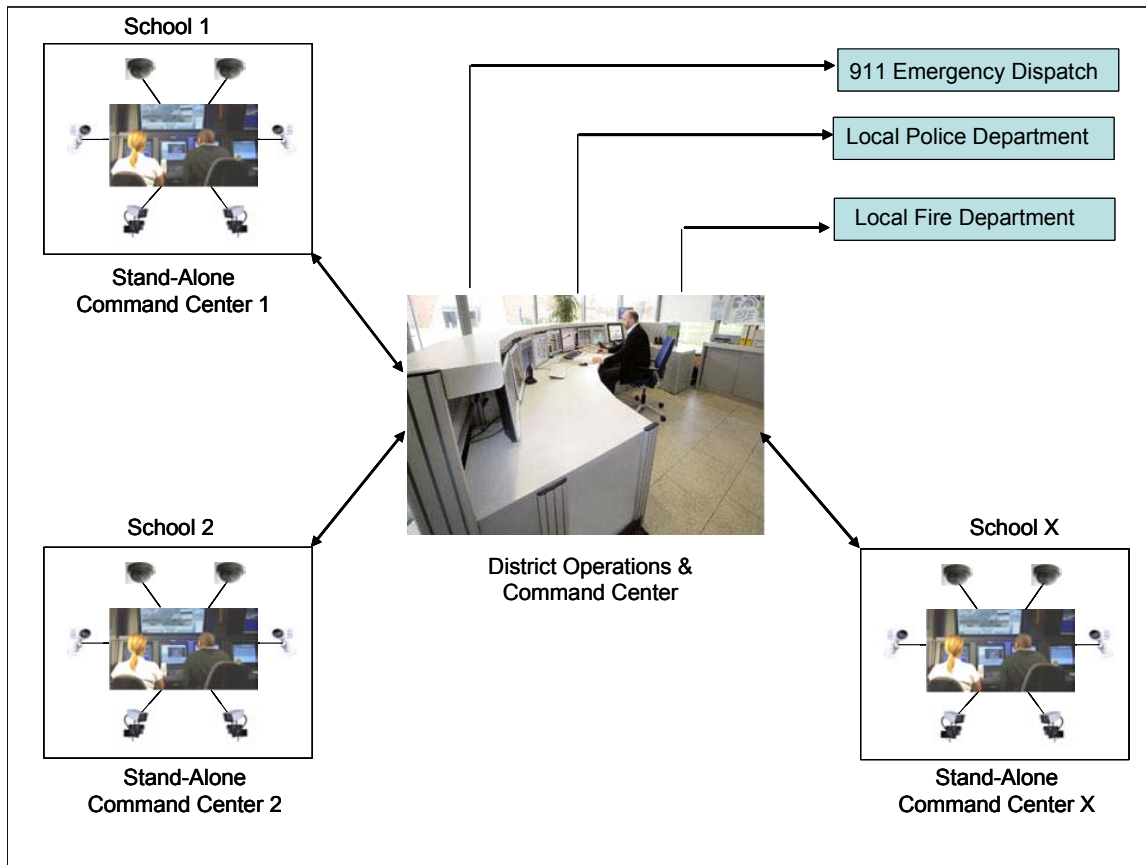
The following diagram shows a typical configuration of surveillance systems deployed at schools.



Stand-Alone Configuration

The diagram shows that each school operates independently and has no electronic interconnectivity with each other. Sharing of timely information in analyzing risk and implementing emergency response procedures is a must in today's school environment.

From a cost, effective crisis response, and security planning standpoint, school districts should consider a district-wide security approach with all schools being connected in a Central Operations & Command Center configuration. The following diagram depicts a suggested layout.



District Wide Operations & Command Center

The above configuration shows how an Operations Center would provide centralized monitoring of all district schools. In this configuration, the district would be on top of activities at all schools and assist in providing the required response in case of an incident. The Command Center would serve two important functions. First, the Command Center's personnel can serve as a back-up for each school's security personnel in monitoring the school campus. Second, the Command Center can serve as an Operations Center for district personnel if an event occurs that locks down the school. The District Center's personnel can help Schools' Security Force in analyzing situations and determining a warranted course of action.

A District Wide Enterprise solution presents a potential cost savings that could be realized through better utilization of manpower and electronic equipment resources. It also affords the district the opportunity to provide effective comprehensive and consistent security planning. Each school would benefit greatly from the implementation of uniform policies and procedures. Security planning from a district-wide level would assure the installation of well planned systems that are easily expandable and maintainable. With the installation of common systems, the district could implement a

cost effective preventive and corrective maintenance program. A properly instituted maintenance program assures that all systems are functional and repaired in a timely manner. This fact alone can save a school district money and embarrassment because it could not effectively dispose of a situation due to non-operational equipment.

School Districts that have employed the district-wide enterprise concept have reported the following benefits:

Category	Reduction (Average)
Theft	45%
Vandalism	60%
Simple Assault	7%
Aggravated Assault	80%
Sexual Assault	75%
Concealment of Deadly Weapon	15%
Fights	22%
Break-ins	50%
Trespassing	55%

Along with the above reductions in criminal activity, the following benefits were generally recognized.

- Approximately 5 times increase in security personnel productivity;
- Increased identification of early warning signs;
- Increase response time with no additional security staff;
- More effective interaction with local emergency and law enforcement agencies;
- Increased effectiveness in security planning and awareness.

With careful planning, the school district could add equipment within the District Command Center to allow it to be used as a Video Teleconferencing Center. District Administrators could gather in the Command Center and host teleconferences with one or all schools within the district.