

*Delivering Enterprise Security Solutions*



Protecting our children, teachers, administrators, and facilities has become an established priority. Our increased awareness to threats, violence, and crime has called for an increased response for protection. *Intelligent* and *Integrated* Digital Video Surveillance (DVS) can help meet the needs for protection through the application of technology without increasing the requirements for dedicated security personnel

*Security threats are increasing. Faculty, law enforcement, and facility managers are focused on improving awareness, prevention, detection, protection and readiness. Technology can be an enabler for safety. We no longer can afford not to...*

There is a need for increased safety and security within our public education community. Ten percent of the nation's schools reported one or more violent crimes in the 1996-1997 school year, including murder, suicide, rape, robbery and fights involving weapons. In 2002 alone there were 659,000 student victims of rape, robbery and aggravated assault. In 2003, seven percent of students said they were bullied at school and twenty-one percent reported street gangs in their school. In 1999, nine percent of teachers were threatened with injury by a student and 4 percent were physically attacked by a student.

According to the National Center for Education Statistics, 7.2 percent of girls in grades 9-12 reported engaging in a physical fight on school property. Boys reported 18 percent. According to the Centers for Disease Control, more than one out of every 20 high school student skipped school at least one day because of safety concerns in 2003. That number is up from 4.4 percent in 1993. This does not even consider the issues of narcotics trafficking and the unlawful presence of pedophiles within school grounds.

## **DIGITAL VIDEO SURVEILLANCE SERVICES AND SOLUTIONS**

---

For an education community to meet the increasing and changing challenges of security, understanding and organizing your security architecture is essential. We can help identify and prioritize the steps needed to organize your school's security program. Understanding what you are protecting against is the first step.

**Threat & Vulnerability Understanding.** Understanding what threats an education institution is facing is a critical component of designing a surveillance solution. Different school grade levels face different challenges while geographical differences result in diverse vulnerabilities. Also, understanding the organization's ability to identify and

react to school incidents is essential in ensuring the surveillance solution is optimized for the particular school's environment.

**Architecture Development.** We can help schools by structuring a security architecture that ties together requirements, technology, and education functions. A security architecture can connect an organization's security policy to technology-based mitigation solutions. In doing so, we can help identify standards and guiding principals that protect your from costly proprietary architecture(s).

**Technology Solution Design and Implementation.** Our familiarity with industry solutions and industry direction can help provide unbiased assistance in designing and implementing school Digital Video Surveillance (DVS) solutions. From Macro-Design through Project Management, we can help shorten the project lifecycle and get solutions deployed that meet the stated objectives.



**Infrastructure Re-Use.** MTS believes in leveraging existing IT infrastructure to the maximum extent possible. For education communities, we approach video surveillance as a mission critical application hosted on standard Information Technology. In this way, some of the more costly components of a school DVS environment may already be in place and can be used for video surveillance. This includes not only wiring and computer systems, but maintenance contracts, training, and consumable supplies.

## SAFE SCHOOL COMMUNITY

---

MTS believes the integration of the public school systems into a safe community architecture with law enforcement, increases the effectiveness of a surveillance solution. Our children are our future and their safety cannot be compromised. There are many threats that face our children at school, depending on the school's location, the grades served, and other external factors. Drug trafficking, schoolyard violence and pedophile assaults are some of the more prominent issues at hand. We believe there are technology-based solutions that may help reduce the probability of such events and are more than justified in their implementation. Schoolyard violence can be detected using crowd gathering and assault detection algorithms to help focus security personnel to the event. Facial capture and facial recognition can be used to help identify known pedophiles and drug dealers when they come within illegal distances of the school. Twenty-four hour monitoring helps thwart vandalism and theft and the same technology to aid in access control and visitor audit. We believe there are two critical steps for schools: The implementation of *intelligence* into a video surveillance architecture and the *integration* of that architecture with law enforcement and first responder communities.

For more details on a safe school community concept, download a white paper at:

<http://www.mts-consultants.com/safeschool.pdf>

We can provide services and solutions that can meet your schedule and budget. Contact us to discuss options. Call 732-673-0542 or email [info@mts-consultants.com](mailto:info@mts-consultants.com) Updated 10/2005