

# The Education Environment & Challenge





How will students and teachers be able to concentrate on education without worrying about their safety?



### **Theft and Vandalism**



#### Cover a wide area

- Allow operators to respond more effectively to any suspicious activity or emergency
- Simultaneously transmit images at various resolutions with a choice of compression technologies
  - Monitor live images at one location and record video evidence at another

# **Drug and Alcohol Abuse**



- **◆** The detection of unwanted visitors
- Monitor many facilities open at night



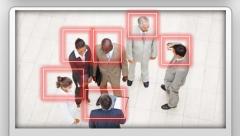
**Motion Detection** 



**Virtual Line Detection** 



**Enter/ Exit Detection** 



**Face Detection** 



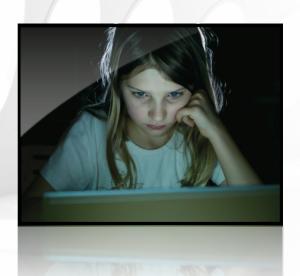
Scene Change Detection (Tampering)



**Appear/ Disappear Detection** 

# **Dispute Resolution**

So many children nowadays are living in single parent environments. Schools, colleges and universities also have a duty of care towards their staff to ensure they can be protected against any false accusations.





- ◆ A video surveillance system can help avoid any disputes
  - By enabling authorized members of staff to monitor
  - Equally important, issues can be quickly resolved which might arise through accusations of one child bullying another.

# **Enhance Teaching**

These security technologies can be adapted to broader applications in an educational context.



Recording lessons or lectures



Lectures for staff training



Tackle unruly behaviour in the classroom

### **Network Utilization**

Considerably reduce the cost of installing an IP network based video surveillance system



Recent advance in technology has facilitated an easy upgrade path from an existing analog CCTV system to an IP network based solution, which provides the opportunity to control and monitor the system from anywhere on the network.

# Samsung Video Surveillance Solutions

#### **Bandwidth Friendly**

- Network Camera/DVR/NVR
- License-free video recording management software

#### **Remote Access**

- · Live or recorded video
- Central control room
- Any PC on the network



### PTZ domes for outside of the school

- Autonomously follow subject without operator control
  - License-free Intelligent Video Analytics (IVA)

#### Time Synchronization

 Between the fingerprint recognition, proximity and smart card & PIN based access with DVRs and NVRs

### Make Fast & Effective Decision

- SSM with map based layouts of a school
- Pop-up alarm with the precise location

# About Samsung Techwin



Samsung Techwin has extensive experience of working with security professionals to help combat criminal activity, terrorist threats and anti-social behavior in pre-school, school, college and university environments.

From system design to after sales technical support, a member of the team is always available, ensuring that the education sector is able to capitalise on the operational benefits made possible by the latest technological developments.

