

# Effective Use of CCTV to Ensure Student Safety

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# Seminar Format

- How do you Measure Effectiveness?
- Effective Use of CCTV
- Proactive CCTV Use to Increase Effectiveness and hence Value



# How do you Measure Effectiveness?

- Start with Objectives/Benefits to be Achieved?
  - Incidents Captured on CCTV Increased
  - Number of Incidents in Covered Area Reduced
    - Drug Incidents
    - Equipment Lost (value or incidents)
    - Damage (value or incidents)
  - Fear Reduced (numbers of assistance requests)
- Cost/Benefit Analysis
  - Cost per incident
  - Value = Benefit/Cost
  - Focus today on increasing benefit by becoming more proactive in use of existing CCTV systems. This means the value is increased without increasing costs.



# Effective Use of CCTV

- Start by Ignoring Privacy Issues
  - What is possible technically and organisationally?
  - Review solution for breaches of legislation
  - Finalise your privacy requirements



# Effective Use of CCTV

- Ignore Privacy Issues
- Geographic Coverage
  - Risk Assessment
  - Survey of existing equipment
  - Location of new equipment



# Effective Use of CCTV

- Ignore Privacy Issues
- Geographic Coverage
- System Requirements
  - Colour, B/W or Day/Night cameras?
  - Illumination (none, standard PIR or infrared?)
  - Fixed, panning or fully functional PTZ cameras?
  - Mobile IP/Network or Vehicle mounted
  - Transmission (CAT5, Coax, Wireless or Optical Fibre)
  - Video Storage (Motion Detect, Duration, F/Sec, Resolution)
  - Other (Abandoned Object, Facial Recognition etc)
  - Related Systems (Alarm, Access, etc)



# Effective Use of CCTV

- Ignore Privacy Issues
- Geographic Coverage
- System Requirements
- Organisational Requirements
  - Security staff capability/enthusiasm
  - Security management capability
  - Partnership options (Police other Authorities)



# Effective Use of CCTV

- Ignore Privacy Issues
- Geographic Coverage
- System Requirements
- Organisational Requirements
- Reactive Use of CCTV to Ensure Safety
  - Ensure System remains operational
  - Ensure Organisation remains motivated





# Effective Use of CCTV

- Ignore Privacy Issues
- Geographic Coverage
- System Requirements
- Organisational Requirements
- Reactive Use of CCTV to Ensure Safety
- Proactive Use of CCTV to Ensure Safety
  - Analyse System Data > Develop Operative Triggers
  - Analyse Organisational Data > Training/Mgmt Dev



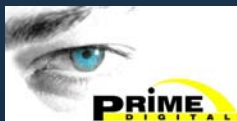
# Proactive Use of CCTV Data to Ensure Student Safety

## System Data Analysis (Develops Operative Triggers):

- Colour, B/W or Day/Night cameras?
- Illumination (none, standard PIR or infrared?)
- Fixed, panning or fully functional PTZ cameras?
- Mobile IP/Network or Vehicle mounted
- Transmission (CAT5, Coax, Wireless or Optical Fibre)
  - Sample Recorded Noise/Interference weekly/monthly
- Video Storage (Motion Detect, Duration, F/Sec, Resolution)
  - Measure Length of Storage Time Available Regularly
  - Analyse Motion Detection Profile Data (time of day & duration)
- Other (Abandoned or Valuable Object monitoring, Facial Recognition etc)
- Related Systems (Alarm, Access etc)
  - Analyse Alarm & Access System Data for clues to better CCTV monitoring

## Organisational Data Analysis (Develops Operative Training & Management Development):

- Security staff capability/enthusiasm
  - Incidents logged per operator per day (benchmark best to worst by sharing data with other organisations)
- Security management capability
- Partnership options (Police other authorities)



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