

Effective Use of CCTV to Ensure Student Safety

Brent Hills
Managing Director
Prime Digital



www.AdvancedCCTV.co.uk

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



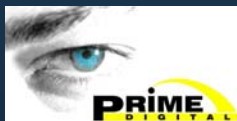
Proactive Use of CCTV Data to Ensure Student Safety

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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