

TDSi Guide – CCTV Integration Using eXguard™

These days' businesses are looking to tighter integration between systems to minimise the use of disparate systems thus easing operator training and providing increased security whilst at the same time maximising ROI. TDSi have truly integrated their Access Control System with a number of major CCTV manufacturers to provide these benefits to the end user.

Some of the benefits that this integration provides are:

- Trigger camera presents from access events, such as door forced
- Trigger camera recordings upon events thus maximising hard disk usage
- Embed access event data with image data on the Hard Disk Recorder
- Search images based upon event data, such as cardholder or door
- View live images (singular or matrix) on the access control software

Personnel Tracking

Individuals within the access control system may be configured to provide event data to the CCTV system. Once an individual has been configured then every event made by that person is recorded with the appropriate CCTV image for later retrieval (see Figure 1). This provides the user with an audit trail of the individuals. Alternatively a specific door may be configured such that any individual that uses that door will be tracked and thus the data will be sent to the CCTV system with the recorded images.

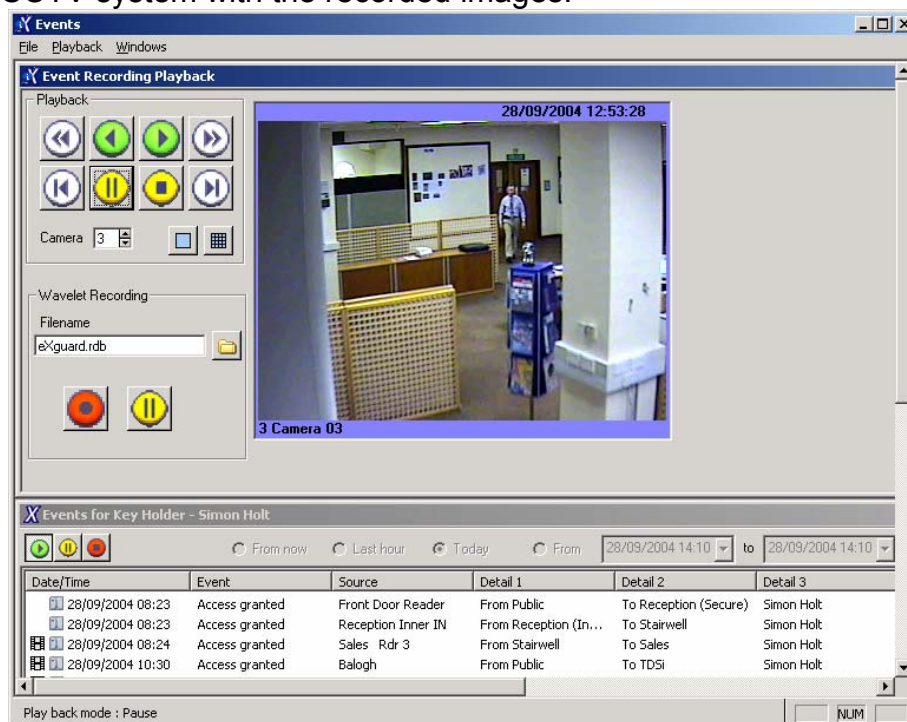


Figure 1 – Personnel Tracking

Image Search

One of the problems of recording standalone images on a CCTV system is that searches generally have to be made using dates and times. By integrating the access and CCTV systems these searches can be made on the textual event data that is obtained by the access system such as door name, reader name, cardholder, etc. This makes it trivial to see what events have been recorded for say Stores Main Door.

Live Image Retrieval

One of the benefits of eXguard is that live images may be viewed from within the software without having to go to a specific CCTV monitor or leave the access monitoring software. These camera views can either be selected from the main explorer menu or from a site plan as a result of an alarm condition. This makes it very quick and easy for a security guard to quickly switch to a preset when say a door is left open, thus breaching security. During a normal CCTV scan this may not get noticed for seconds or even minutes, however by integrating the two systems this impact can be minimised and resolved in seconds.

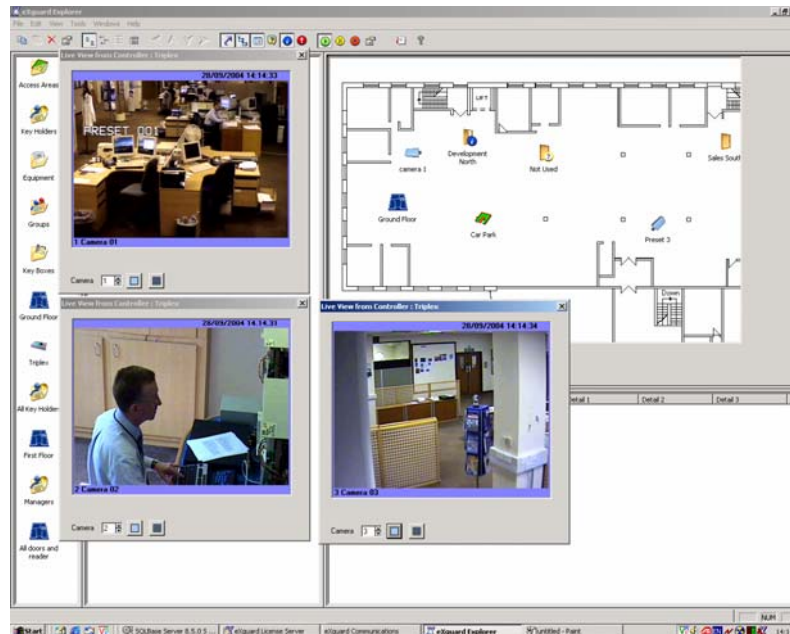


Figure 2 - Live Image Retrieval

Configuring Events

It is possible to store an image for every event, however this would consume disk space and provide no real benefit. Instead it would make more sense to only record events from certain doors or individuals or specific event types, such as door open too long or door forced. eXguard makes this possible by allowing the system events to be configured as to whether they should trigger a camera or not. This enables the user to maximise the hard disk recorder utilisation.