Uniclass
L7626
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VideSearch VSR100

Features and Benefits

Retrieves pre-defined targets from live & recorded CCTV

Stand alone or add on to existing systems

Fully automated search facility

System identifies target objects eg person, car, train

Can be networked over several sites

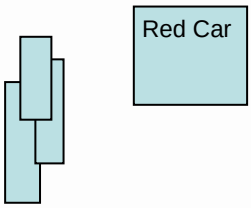
Simple user-defined search Areas

VideSearch is a truly intelligent video system capable of differentiating people, different vehicle types, behaviour patterns and colour from live and recorded CCTV.

VideSearch brings a new order of intelligence to analogue and digital CCTV systems saving thousands of man hours whilst offering automated live and recorded searching which was considered inconceivable only a few years ago.

VideSearch can be used to automatically find video footage meeting specific search criteria from live multi-camera CCTV systems or multiplexed CCTV recordings.
It can be provided as a stand-alone Digital Video Recorder (DVR), or add a higher level of intelligence to existing analogue or digital CCTV systems.

Example alarm/search conditions: "…….Blue vans parked in specific location for longer than 3 minutes……..Pedestrian wearing red shirt and blue trousers…….Three people running from a yellow car……."



Person running in white top
Person running in dark top and dark trousers
Person running in dark top and dark trousers

ClearView Communications …a different view

Certificate No.25117

How does it work?

As the video is recorded, each video frame is analysed and searched for objects (e.g. cars, vans, lorries, trains, people walking, people running etc). Each object is catalogued by colour in the VideSearch database.

This alarm or search operation can be executed over many cameras in real-time to live or recorded video. The alarm condition is set up (e.g Red Car or Person running wearing dark trousers) using a simple user interface.

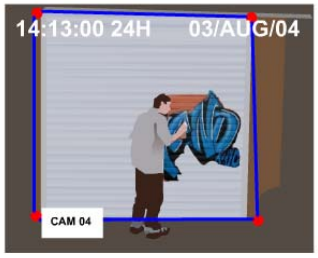
A fast “google-style” search will then be made for all images meeting this criteria.
A thumbnail of each image matching the search criteria is then presented to the user.

Searches can be executed over a single camera or many VideSearch DVRs over a computer network.
A highly innovative feature is the ability to scan a photograph. The system then retrieves similar sized, shaped and colour images recorded on the DVR.

Technically speaking.....

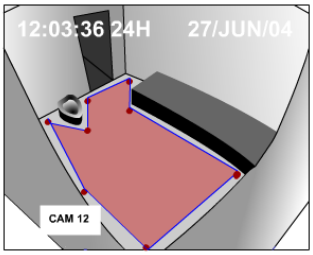
VideSearch builds a catalogue of the objects that move within the field of view of each camera.
The catalogue contains a subset of MPEG-7 content descriptors, together with additional information that is useful in a surveillance context. All the data is stored in a relational database.

Application Examples

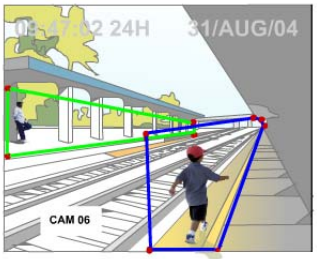


Detects incidents of graffiti

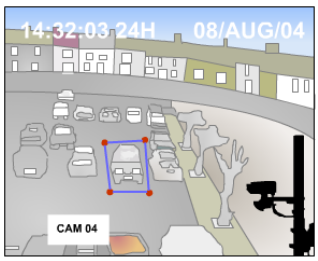
Provides cordon sanitaire around high value assets



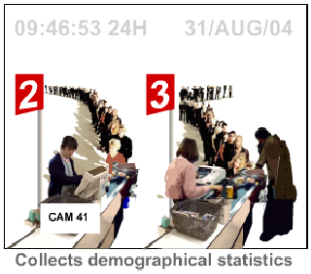
Detects inactivity in prone position in cell



Detects dangerous behaviour on platform



Detects activity in parking space



Collects demographical statistics for retailers

CLEARVIEW COMMUNICATIONS
...a different view

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