

VideSearch VSR100

Automatic Video Content Search

Recent breakthroughs in internet search technology have now made searching video without having to view it possible.

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.

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



Simple to use

Graphical User Interface facilitates rapid searching of the catalogue.

Catalogues up to 16 video channels in real time – from one or more DVRs.

The system turns a standard DVR player into a sophisticated 'intelligent' machine

The system provides all viewing, control, search and retrieval over an IP connection

ClearView's VideSearch System turns standard digital video recorders into 'intelligent' devices that can provide alarms based on complex visual cues.

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.

The database can be searched via a TCP/IP connection. Search queries are easily input and require no programming expertise.

Once a search criteria has been identified, it can be executed immediately on one or more systems, with the results returned in the form of image snapshots that match the criteria. For example, the query may request to see all the people that moved into a region of the camera field of view during a given period. This may be required when investigating car theft or trespass.

A highly innovative feature is the ability to scan a photograph, and the system retrieve similar sized, shaped and coloured images recorded on the DVR. For example, it is possible to search for people or cars by scanning their photograph into the system. The client application can then be used to fetch and display the corresponding video sequence stored on the DVR.

The DVR object data system greatly improves the efficiency of surveillance operations by removing the need for manual searches of long video sequences when investigating incidents or preparing evidence. In addition, the system provides robust and powerful automated alarms, which can include complex scenarios, such as loitering and trespass.