

NetWatch[®] *Intelligent Video Systems*

ViEWS[®] *Video Editing Workstation*

The ViEWS package provides a powerful video analysis, editing and enhancement capability to the NetWatch Suite. Video can be reviewed, analysed to find specific events, broken into sample clips or built up into multi-camera large clips. Video clips can be enhanced and edited to include personal privacy (selective blurring). Video can be reproduced in native format (sub master) or in any standard Windows video formats (copy).

Video is usually downloaded from the NetWatch system, but ViEWS provides a PAL input allowing legacy VCR tapes to be processed. Video evidence can be exported to CD or DVD media, or to a PAL output, in order that SVHS tapes can be generated on legacy equipment.

Analysis and Search Tools

Video analytics enable ViEWS to automatically search for objects that move into or out of selected areas. Set the search running and the system will notify you audibly when it has detected an object, it then stops the play sequence for operator review. Notice the rectangle used to localise the search area in the second picture.

This picture shows a service road running alongside a depot.



This picture shows the first instance of a vehicle using the service road



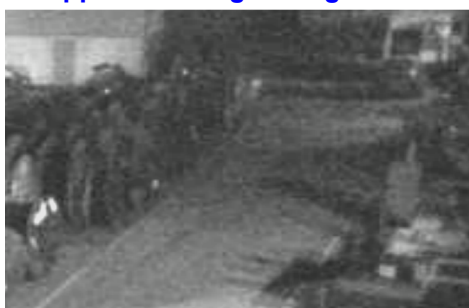
Enhancement Tools

Video enhancement uses integration and re-sampling techniques along with brightness and contrast adjustments, turning the original and cropped image into a more detailed image. Note that these processes are applied real time to the video as it is reviewed.

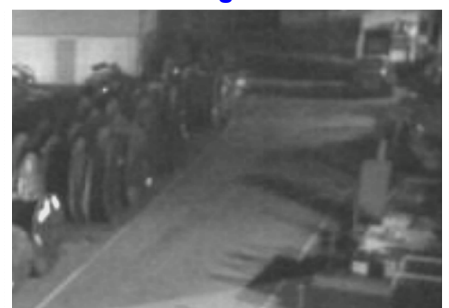
Original



Cropped & Enlarged Original



Enhanced Enlarged Version



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