ODIN

AIM ONLY AT THE ESSENTIAL

A System for Clue Extraction from Images

Automated summary of faces,
vehicles and forms.
Visual elements retrieval engine.

SECURITY

Advantages

- **Disruptive technology in pattern recognition.**
- **Investigation assistance by matching different videos.**
- **Detection of a given person within different videos.**
- **Massive processing of videos.**
- **Evolutive architecture, from a simple desktop to a mainframe.**
- **Designed to assist the detective all along his investigation.**

SPIKENET TECHNOLOGY

UNLOCK YOUR VISION

The very first hours of an investigation are crucial. ODIN has the power to save some precious time using ultra-fast extraction of relevant information that can prove decisive in the course of any video-based investigation.

Born out of a close collaboration between the French Ministry of the Interior and the Spikenet Technology company, ODIN has been designed to answer accurately to the specific operational needs of police forces.

ODIN is an image processing tool able to simultaneously detect various forms, persons and vehicles; to organize the extracted information into albums (for a better, synthetic visualization); and to carry out visual and textual requests within the existing albums.

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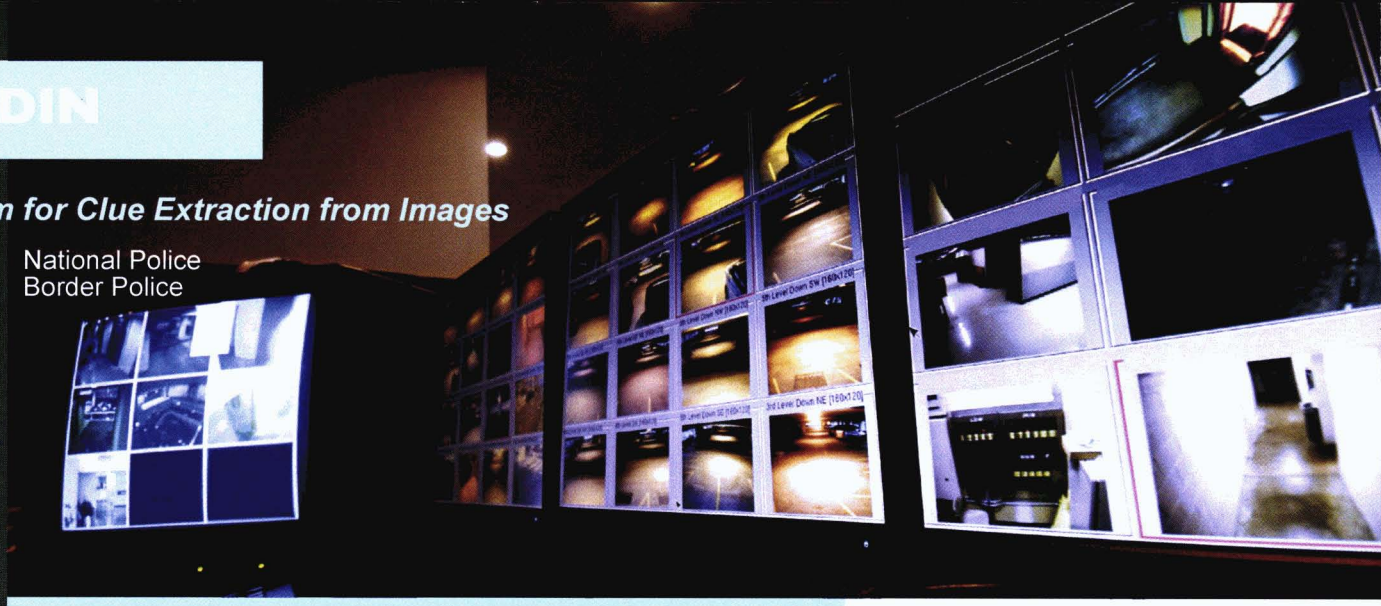
ODIN

A System for Clue Extraction from Images

National Police
Border Police



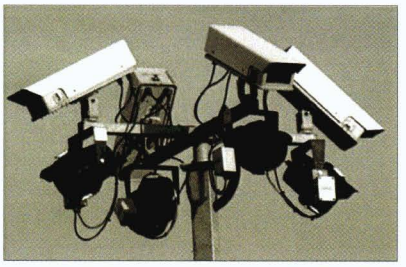
Videosurveillance cameras are relied upon in increasing numbers. Yet, because of a lack of means and personal, only 3% of the recorded images are actually exploited, leading to unmotivated omissions that could prove criminal. ODIN can take care of that.

ODIN is composed of two entities:

ODIN DAR (Detection, Annotation and Résumé):
- **Case-based investigation management,**
- **Videos-cases association,**
- **Automated detection using our pattern recognition engine (faces, vehicles, objects),**
- **Database storage of hits annotations,**
- **Videos batch processing,**
- **Hits regrouping in a résumé.**

ODIN INVESTIGATION:
- **Matching of ODIN DAR-processed cases,**
- **Seeking out new elements, in ODIN DAR databases,**
- **Seeking out persons in videos,**
- **Seeking out distinctive marks (tattoos, logos, etc.).**

ODIN can be adapted to any context involving visual datamining, such as mediametry or large-scale retailing (product identification).



SPECIFICATIONS

- Up to 50 Terabytes of visual data.
- Up to 100 Gigabytes for the visual database.
- Up to 25 users.
- Processing speed up to 10 times faster than the lecture speed of the video (depending on the machine involved).
- Windows 7 Pro (standalone).
- Windows Server 2008 (cluster).

Spikenet Technology develops a revolutionary real-time pattern recognition system based on asynchronous spiking networks.

Spikenet Technology products can be declined as softwares or as embedded systems.

SECURITY

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