

Integrated intelligent video platform

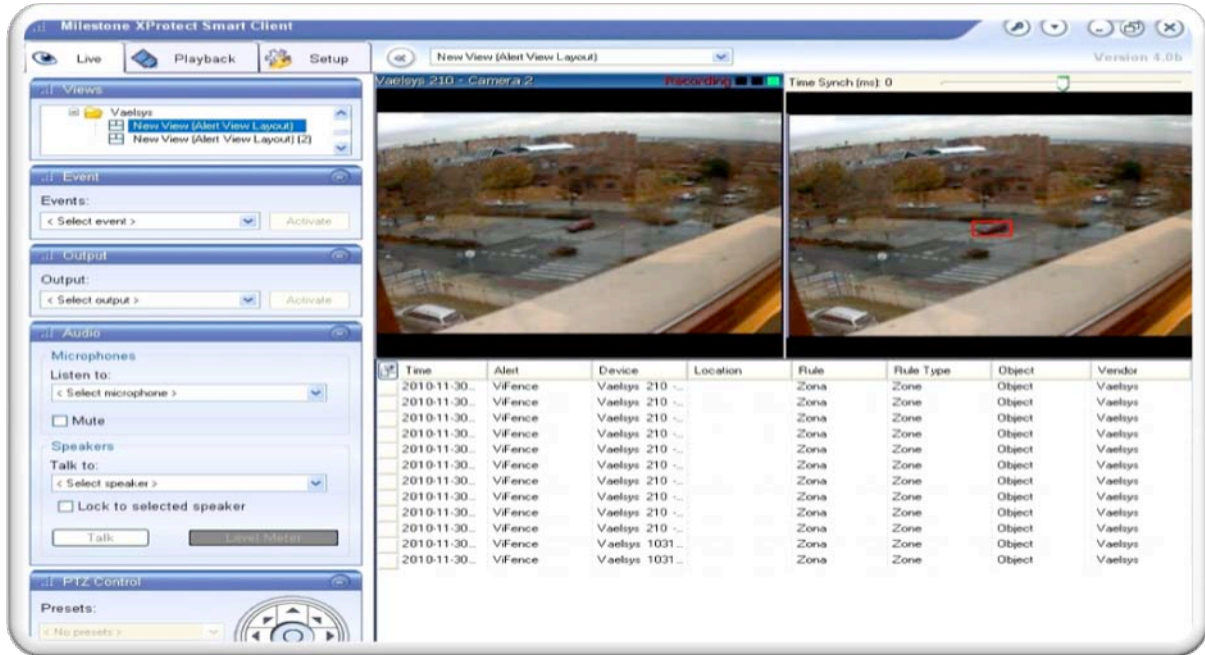
# ViFence3

# Booster Milestone



**VaelSys**

Image Recognition Software



ViFence Booster M is the VAELSYS analysis and detection system integration platform for the Milestone Xprotect systems that include Xprotect Analytics. It provides configuration and communication tools for the VAELSYS analysis engines.

ViFence Booster uses the Xprotect video server to capture video. All the video devices that Milestone has integrated into its solutions can be analysed from ViFence. Through the generic video analysis interface (Milestone Generic VA), the information generated by the different analysis engines available in ViFence can be handled from the Milestone solution.

## Functionalities provided by ViFence Booster:

- Video can be received from Xprotect systems
- Web 2.0 configuration interface for local and remote control
- XML messages for real time detection can be sent to Milestone systems, in MAD (Milestone Alert Data) format. By default, the messages include:
  - Timestamp
  - IDs of server and camera from which the video was obtained
  - Type of alarm
- Specific information (\*) can also be included, such as the locations of objects (ViFence Analytics) and the license plates numbers (ViFence LPR)

\* VAELSYS can adapt the information generated by the analysis engines to a specific project's requirements.



## Architecture



### Integration Model

- All video recording and management is performed by the Xprotect systems.
- ViFence Booster provides the tools for configuring the VAELSYS analysis engines and managing communication with the Milestone system.
- Warnings are stored as MAD format in a centralised database on the Xprotect server.
- The Milestone Generis VA module's "Event Mapping Tool" utility can associate warnings generated by video analysis (e.g. Intruder, license plate recognised) with actions (alarm, open barrier).
- Through the Xprotect Smart Client, warnings generated by ViFence Booster can be viewed in real time. The operator can configure "views" to allow several warnings to be displayed simultaneously.
- Xprotect Smart Client can be used to create "views" with specific filters or pre-defined search criteria.

### Many more options

The ViFence and Xprotect integration provides users with added value, since it offers many complementary functions. All Milestone's video management plus automatic information generation by the VAELSYS video analysis. Structured information is stored in a centralised database against which different queries, filters, searches, etc can be run. This is all easily managed using just one programme, the Xprotect Smart Client.

### Many more video devices can be used with ViFence

The Xprotect systems provide ViFence Booster with a generic interface for capturing video sent by the video devices integrated through Milestone (dozens of different manufacturers).

### Multiplies performance of VAELSYS analysis engines

Unlike other platforms, ViFence Booster specialises purely in video analysis, eliminating tasks such as recording or playing. As a result, the video analysis algorithms are used to their full potential, and more video channels can be analysed per hardware unit.

### Software Requirements

- Linux operating system.
- Linux distributions supported:
  - Suse
  - Ubuntu
- Compatible analysis licenses:
  - Analytics
  - LPR
  - Vicon-C

### Hardware Requirements

- For 8 channels:
  - CPU: Intel Atom 570
  - RAM: 1GB
- From 20 to 64 channels:
  - CPU: Intel i3
  - RAM: 2GB
- For 100 channels:
  - CPU: Intel Core 2 Quad Q9400
  - RAM: 4GB

## Contact

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