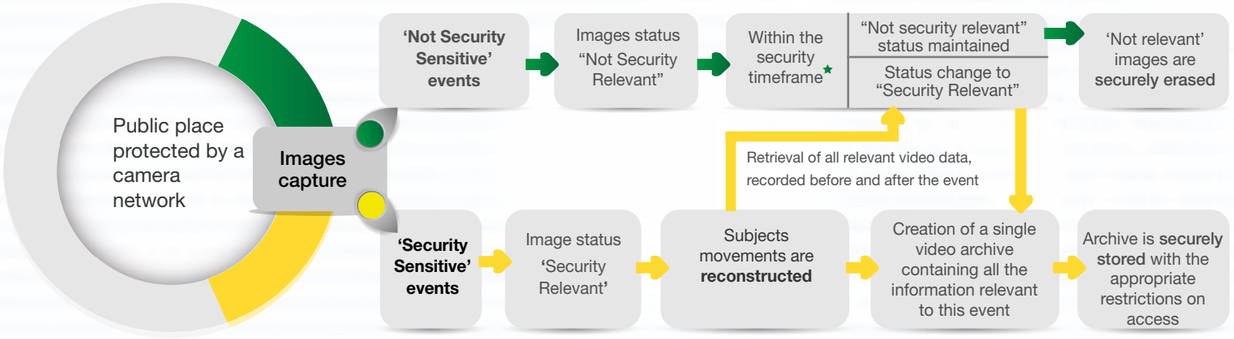
What is ADDPRIV?

ADDPRIV tackles the complex challenge of **balancing security and privacy** in video-surveillance. This is achieved by using artificial intelligence to analyse the video data from a multi-camera network.

Thanks to the introduction of the concept of **intelligence applied to the complete cameras network**, ADDPRIV allows the correlation of information for different sensors, allowing an **automatic, accurate and reliable** determination of **what is and is not relevant information from a security perspective**. Any irrelevant information is subsequently deleted.

ADDPRIV automatically detects potentially suspicious situations and generates a sequence of images that recollects all the visual information related to the event.



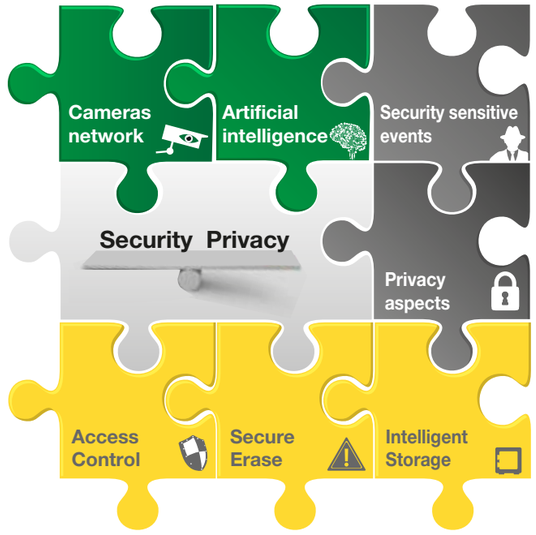
★ An image that is considered as 'Not security relevant' when captured, can change its status as a consequence of an alarm generated by the system. ADDPRIV takes into account the security timeframe necessary for properly managing these situations and for allowing a complete reconstruction of the event.

addpriv is an effective video-surveillance system designed to respect citizens' right to privacy through the use of:

- Efficiency indicators – determined by organizations responsible for the management of video-surveillance systems.
- Social and ethical impact indicators – determined by data protection and privacy experts, and ethical experts working in the area of human rights and civil liberties, in the form of an ethical framework defining specific criteria that the system must adhere to in terms of data and images storage and selection.

Results and benefits

- New focus in the application of **artificial intelligence** to video-surveillance: shift from an individual use for each camera to an **integrated use in the distributed sensors network.**
- **Improved efficiency** and **reduced reaction time** in critical situations for the organizations:
  - **Automatic detection** of security sensitive events.
  - **Automatic collection of the visual information** proceeding from all the sensors of the network, related to the security event detected.
- Reduction of the storage capacity required for the video-surveillance system operation: **compliance with the principles of personal data recollection minimization.**
- Potential to **improve the social acceptability of video-surveillance technologies,** due to the inclusion of the value and importance of privacy alongside enhanced security.



TECHNICAL INNOVATION

Event Detection

Module processing video streams from the security camera network.

Objective: Automatic detection of potentially suspicious situations and events.

ORGANISATIONAL BENEFITS

Improvement of the **effectiveness** and **efficiency** of video-surveillance processes.

SOCIAL AND ETHICAL BENEFITS

The development of an **objective system** where decisions are placed on technology, rather than human, thereby limiting the potential for targeted selection and discrimination based on physical characteristics and traits.

Route Reconstruction

The module is triggered by security alarms activated by the "Event Detection"modules. It indicates the sequences of images that collects and contains all the visual information related to a security sensitive event.

OBJECTIVE To select the relevant visual information and provide this to security operators.

ORGANISATIONAL BENEFITS

Faster reaction time in security sensitive situations due to a reduction in the number of images to be viewed by security operators

SOCIAL AND ETHICAL BENEFITS

A **significant reduction in the amount of individual data collected and viewed by security operators.**

Privacy Enhancement

Module to store and organise the complete set of images related with a security event, and securely erase the irrelevant images. Access granted only to authorised personnel.

OBJECTIVE: To enhance the efficiency and to improve the privacy-protecting features of the system.

ORGANISATIONAL BENEFITS

Reduce the requirement for video storage capacity (it has been empirically proven that less than 1% of the images collected by video-surveillance systems are useful for crime detection activities and the subsequent use as evidence in judicial processes).

SOCIAL AND ETHICAL BENEFITS

Potential for greater social acceptance of video-surveillance: implementation of the principle of data minimization (storage of the minimum amount of personal data/images required for achieving the security objectives) will contribute to reducing privacy concerns. This will ensure **secure and timely deletion of irrelevant data and images.**

ADDPRIV website: www.addpriv.eu

The research leading to these results has received funding from the European Union Seventh Framework Programme (FP7/2007-2013) under grant agreement n° 261653

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ADDPRIV PRESENTATION

Acced to ADDPRIV presentation video via this QR code.

SEVENTH FRAMEWORK PROGRAMME

addpriv

Automatic Data relevancy Discrimination for a PRIVacy-sensitive video surveillance