



Case Study



Access control

The initial situation:

The customer has large company premises with access controlled by porters at two restricted entrances. Each visitor's or supplier's vehicle (hourly up to 30 vehicles) must identify themselves to the porters before entering the company premises.

This procedure takes several minutes, during which time entrance to the company premises is obstructed. In addition to this, the customer's 300 employees are able to drive on company premises with RFID access cards which are verified by means of a card reading device in

front of the barrier. This procedure also requires both time and expense for replacing defective or lost access cards.

The challenge:

A video-based access control system should reduce waiting times at the barrier and be able to take and store photos of people and vehicles at the entrance area. A license plate recognition system operating in place of the access cards and controlling the barrier automatically with recognition of the license plate.

Only vehicles registered in a databank are given automatic access to the company premises. Furthermore, as the photos of people and vehicles are stored this should make misuse more difficult.



The solution:

The installation of daylight independent intelligent cameras in front of every entrance and exit, along with a databank for authorized vehicles, extends barrier control previously restricted to access cards.

A license plate recognition system is integrated in the cameras and this is already able to reliably read the license plate on vehicle approach.



Access control

Waiting times at the barrier are reduced for authorized vehicles, as the barrier already opens automatically when the vehicle is approaching.

In addition to barrier control, the cameras are also used for video surveillance and for recording all inward and outward going vehicles and people. The cameras only produce images or alarm signals for predefined events and this assists the work of the porters. As a result of the linked digital archives, this solution provides more control and retraceability, particularly in security relevant and highly frequented zones.

The solution offers additional expansion possibilities:

- automatic reporting of specific vehicles, e.g. so that deliveries can already be reported to the relevant warehouse when the lorry is passing the entrance
- automatic time recording or attendance control, through identification of employees vehicles
- automatic facial recognition
- combination with RFID access cards
- the use of cameras as an intercom system

The result:

The use of video-based automatic entry control simplifies barrier control, increases the reliability of the porters and ensures that operations run smoothly at the entrances. The use of access cards is only required in the case of an unannounced vehicle change or illegible license plates. There is no need to spend money on a separate surveillance and alarm system as favourably priced additional intelligent cameras can be linked in. The customer is able to enjoy the synergetic benefits of combining access control with surveillance.

contact person

Christian Dähn

Telefon +49 (0)385 30 200 530

eMail daehn@asinteg.de