artec technologies

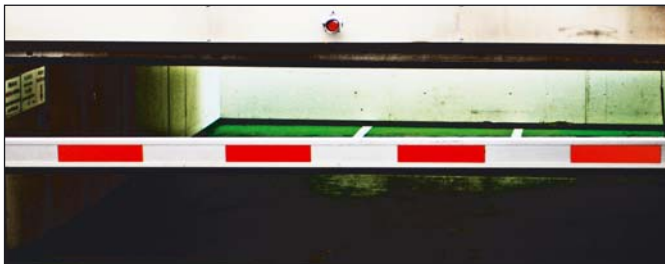# MULTIEYE®-ANPR
License Plate Recognition with a Clear View!

The video security solution MULTIEYE® can now be complemented with yet another useful module: the license plate recognition system APNR.

MULTIEYE®-ANPR supports IP cameras and analogue camera systems with infrared lighting. The handling is as easy as a children's game.

Images are taken of license plates within the camera range, then analyzed and compared with data base entries. Depending on the requirements, a number of functions can then be triggered such as access authorizations, presence and absence messages, alarm or ICQ messages, e-mails, and more. The possibilities are almost unlimited!

Additional data regarding the license plate like time frame and frequency are saved in an SQL data base, and are available for comparisons and protocols at a later time. Recognized license plates are sent to a MULTIEYE® interface in order to do categorizations, search parameters or conduct analyses, also via the Internet.

Test the numerous functions of this comprehensive additional security solution from the company **artec technologies** yourself.

Advantages of ANPR

- **Highly efficient license plate recognition**
- **Interface with MULTIEYE®**
- **Compatible with IP and analogue cameras**
- **Manifold possibilities and areas of operation**
- **Simple handling**

MULTIEYE®-ANPR

License Plate Recognition with a Clear View!

License plate recognition
ANPR/pixel resolution

For optimal recognition of the license plate in the video image, the relation between the camera's visual angle, the image section and the pixel resolution (pixels) of the video camera must be brought in line.

The basic rule is: The smaller the field of vision of the camera and the larger the license plate is displayed in the image (number of pixels), the larger the recognition quota of the automatic license plate recognition system.

Overview of functions
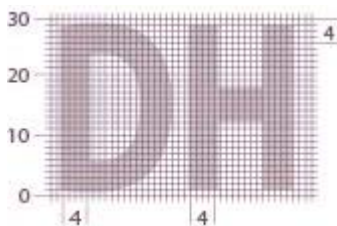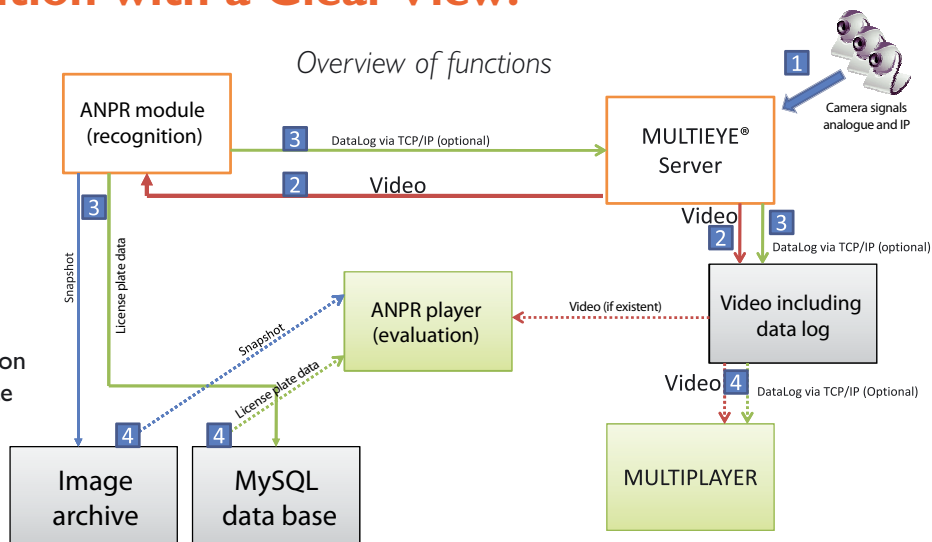
We recommend at least 130 pixels horizontally to recognize license plates. The bar width of a license plate is recognized with about 3 pixels.

Scene width

The scene width of the images of the license plate camera should be adjusted such that the desired number of pixels is reached.

|-------------------------- Scene width 2m --------------------------|

To recognize license plate numbers, an infrared camera with IR pass filter and IR spotlight should be used. Basically, every analogue or IP camera with good image quality can be used.

The reflection behavior of license plates is very good especially in the infrared range during day and night operation. Since the IR pass filter allows only infrared light to pass, strongly reflecting license plates can be recognized very well, and the reflections of other light sources are suppressed.

Image quality

An important criterion for license plate recognition is the quality of the video images, as well as contrast and brightness of the images.
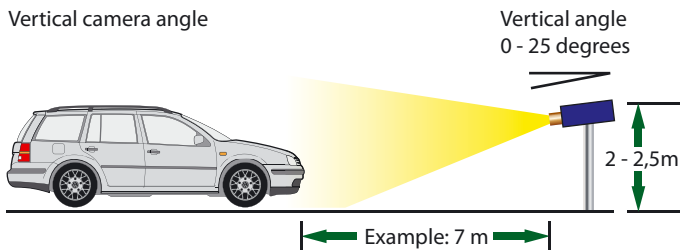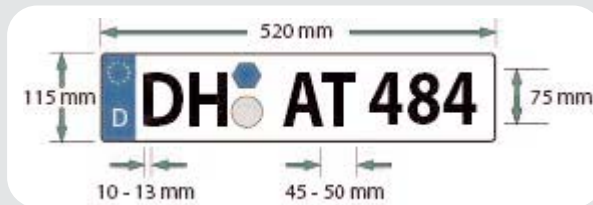
Vertical camera angle

Vertical angle 0 - 25 degrees

2 - 2,5m

Example: 7 m

The system recognizes more than 60 countries and states.

The Euro license plate

The standardized Euro license plate has a letter height of 75 mm and a bar width of 10 to 13 mm.

Your MULTIEYE® partner:

artec technologies

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