

Automatic Number Plate Recognition G-Tect/ANPR



This option activates G-Core's integrated license plate recognition for one lane. For this purpose, the license plate data is stored in a database. When moving up to the barrier, an adjustment takes place. If the license plate is recognized, the corresponding metadata is linked to the image material and recorded. The data can be used in combination with the Vehicle Access Manager to control barriers and as a search criterion.

- Barriers to entry
- Multi-storey car parks
- Loading zones

- License plates are stored in a database and can be linked to permissions.
- Automated control of barriers by means of number plate recognition
- A fast database enables the vehicles to be processed quickly.
- Handling of moving and stationary vehicles with a maximum distance of 20 m and speeds of up to 100 km/h possible.
- Country codes can be evaluated.

Technical data

Monitoring area	Detection area freely definable.
> Set-up options	Simultaneous recognition of up to 4 vehicle number plates within an image. Specification of the typical size of the visible number plate as frame.
> Set-up aids	Display of the active detection area in the live picture. Display of the expected number plate size in the live picture.
Alarm analysis	Analysis in real time. Comparison with black/white list. Comparison with category assignment.
> Set-up options	Adjustable time/number of pictures whose individual measurements are analyzed per number plate recognition procedure (statistically). Maintenance of the black/white list with up to 1,000 entries. Maintenance of the category list. Assignment of the number plate to category and black/white list manually or according to recognition procedure. Optimization of the analysis by adjusting contrast, brightness and color saturation.
> Set-up aids	Display of the original picture with markings of found number plates. Display of analyzed section of the picture as black/white picture and binary picture. Display of the recognized number plate in plain text incl. black/white assignment and category assignment. Feedback regarding effects of the settings for contrast/brightness/color saturation on the analysis reliability via the black/white and binary pictures output by the algorithm.
Installation configurations	Max. horizontal angle between camera and vehicle axis: 20° Max. vertical angle between camera and vehicle axis: 30° Max. vehicle speed: 100 km/h Min. vertical resolution per character: 10 pixels Typical recognition rates > 96% under optimal conditions
Operating system	Windows 8.1
Camera channels	
> analog	Supported
> IP	Supported
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