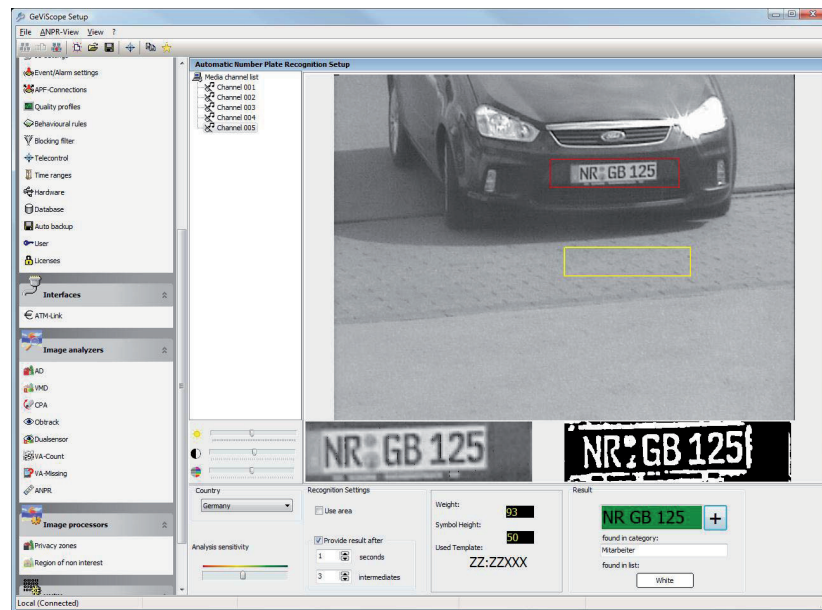


ANPR – Number Plate Recognition



Number plate recognition for access control and similar applications



Product information

The picture data of the selected channel are analyzed for number plate information according to parameter settings and country code. If a number plate is recognized, the corresponding metadata are assigned to the image in the picture database for later analysis. Every available channel under GeViScope and re_reporter (analog or IP) can be used for the number plate analysis. The number plate data are stored in the system, categorized and saved in a black/white list. Configurable system actions can be triggered flexibly depending on the category and black/white list assignment of a recognized number plate.

- | Qualifies picture data via number plate information
- | Database search using number plate and metadata
- | Accurate recognition at speeds up to 100 km/h
- | Detection accuracy > 96%
- | Control of access gates etc. in parking lots, loading zones, property entrances, etc.

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 the number plate area selected. 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 list and category assignments. 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 considerations	Max. horizontal angle between camera and vehicle axle: 20° Max. vertical angle between camera and vehicle axle: 30° Max. vehicle speed: 100 km/h Min. vertical resolution per character: 10 pixels Typical recognition rates > 96% under optimal conditions
Operating system	Windows XP
Camera channels	
> analog	Supported
> IP	Supported
Order no.	8.31235

The currently supported country codes are: Argentina, Austria, Belgium, Brazil, Canada, Croatia, Cuba, Germany, Great Britain, Greece, Ireland, Israel, Italy, Morocco, The Netherlands, Poland, Russia, Singapore, Slovakia, Spain, Taiwan, Turkey, Uruguay, USA (in part).

	VMD	AD Basic	AD Extended	Dual-Sensor	VA-Class	ANPR	VA-Missing	Audio AD	CPA
GeViScope-HS	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
GeViScope-IP/SE	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
re_porter	-	<input checked="" type="radio"/>	-	-	-	<input type="radio"/>	-	-	<input type="radio"/>
re_porter_sensor	<input type="radio"/>	<input checked="" type="radio"/>	-	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	-	-	<input type="radio"/>
re_porter_bank	-	<input checked="" type="radio"/>	-	-	-	<input type="radio"/>	-	-	<input type="radio"/>
MultiScope III/XP	-	-	<input checked="" type="radio"/>	-	-	-	-	-	<input type="radio"/>

●= Standard ○=Optional --=Not available

Please take into account that video analysis applications require extensive project-specific consultation. For an optimal result, numerous environmental conditions and system parameters must be considered. Our specialists are happy to provide you with assistance! We guarantee simultaneous analysis of four (re_porter) or six (GeViScope) D1 (4CIF) resolution video signals on the local device without interfering with other functions. Exception: AD and VMD licenses for analog cameras and CAM2IP and VIPCAM can also be operated without restrictions.

Technical alterations reserved

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