

NUMBERCheck

Truck Gate – OCR System



License plate and container recognition for terminals & freight logistics Your basic module for efficient yard management

Our video-based identification system "NUMBERCheck" detects vehicle and truck license plates, container numbers, dangerous goods numbers as well as placards (ADR) on vehicles and their loading units. Based on intelligent image processing, this OCR system (OCR=optical character recognition) automates the check-in process, registers and steers arriving and departing trucks in terminals, transshipment stations or within a factory site and thus ensures a significant increase in operational speed and terminal capacity.



Features:

- Automatic registration, control and steering of trucks
- Seamless recording of vehicle number plates, container numbers (ILU/BIC code), dangerous goods numbers and labels
- Intelligent image processing and comparison of the captured characters with a database or pre-registrations in real time
- Direct transmission of data via interface to higher-level operations control- or TOS systems
- Vehicles and loading units can be searched by number, date and time at any time
- Video recording and high-resolution images for damage and condition documentation

Specifications:

- Robust construction in portal design, installation by qualified personnel only
- High-resolution 2D area scan camera technology
- Sophisticated, special lighting technology
- Triggering by detection of the front and rear license plates
- High system reliability and excellent recognition rates
- Modular design and individual customization possible

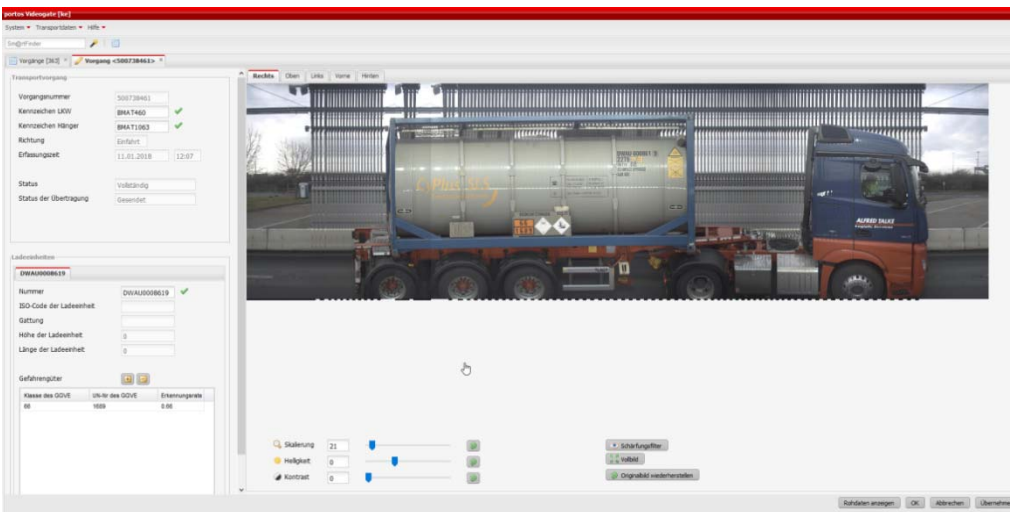


Each system is equipped with high-quality sensor components that enable reliable separation of the vehicles while maintaining a minimum distance. NUMBERCheck – Truck Gate works bi-directionally and detects incoming and outgoing vehicles in the speed range from 0 up to 30 km/h.

The LED lighting, which is precisely matched to the cameras, is only activated during passage and is glare-free for the truck driver. Using high-quality hardware components and our highly efficient OCR algorithm, we achieve demonstrably first-class recognition rates..

Design variants of NUMBERCheck – Truck Gate:

- Steel portal construction with cement foundations and plant protection by bollards
- Option: Vandal-resistant steel column on the right and left of the lane, including sensor components



Data base:

- License plates / trailer number
- Loading units (container, BIC/ILU)
- Dangerous good codes / Placards
- Date and time
- Direction
- Transmission status

XML interfaces enable transfer to higher-level software (TOS, BLU, etc.)



Further options:

- Video-based, biometric facial recognition
- Verification of personal identity and access authorization
- Integration of kiosk systems for check-in and check-out of truck drivers
- System monitoring and alarming

Benefits:

- ✓ Higher handling capacity, shorter processing times
- ✓ Faster logistic disposition
- ✓ Automatic handling of crane orders
- ✓ Additional revenues from usage and parking fees
- ✓ Evidential state documentation
- ✓ Efficient claims management



Application:

- Container terminals
- Transshipment stations
- Freight centres
- Sea & inland ports
- Industrial plants

We offer individual solutions - Let us advise you !

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