Wagon identification
UIC number or RFID

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IDENT monitors the railway's traffic and identifies any rolling stock.

The train's passage is recorded by illuminated cameras from both sides. The recorded pictures are processed by a sophisticated software. The train is detected in all its parts and the wagons are separated. The UIC numbers of each one are detected and assigned, as an alternative the RFID numbers will be assigned. IDENT is a powerful monitoring system designed specifically for railways, logistic hubs, seaports and industries.

Technical Data:

Speed	unlimited
Recognition rate	> 95%
Recording rate	10 – 100fps
Temperature Limit	-40 – +60°C
Control zone width	5 – 10m
Lighting	> 100lx
Detection direction	both
Hardware state alert	watchdog

Features

- Auto detection of UIC wagon number or RFID number
- Single wagon or train tracking
- Status documentation with images recorded from both sides, from above and below
- Alarm system e.g. opened doors or faulty bottom
- Recognition of danger goods or other labelling
- Timetable and direction of the train's passage
- Wagon quantities, axles total
- Wagon type, number of axles
- Recognition quality of UIC numbers

Components

- Cameras in outdoor housing with heating
- LED lightning
- Electric cabinet
- Axles counter
- PC with database and video server
- Software IDENT

Installation

Cameras and LED lights are protected against weather conditions. The cameras are installed on two pillars or a portal and connected through Ethernet to the central cabinet. The complete installation is shielded against thermal and electro-magnetic influences.

IDENT monitors traffic

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