GANZ

CORTROL CVA UIC&C
Specification v1.0.0

Product Description

The module is used for detecting and recognizing UIC wagon numbers. It supports 24/7 recognition of numbers on all types of trains, locomotives, passenger wagons, freight wagons, platforms, and tank cars in a wide range of external conditions. You can search for wagons by UIC number and receive notifications about the recognized UIC numbers.

CVA UIC&C Features

- Identification accuracy goes up to 99%
- Identification of UIC numbers in motion
- Search by the UIC/Container/Wagon number
- Identify numbers in motion
- Support various types of UIC numbers
- Supports 24/7 recognition of numbers in a broad range of external conditions
- High-quality UIC&C detects and recognizes the following:
    - UIC numbers
    - Container numbers
    - Wagon numbers

General Information

- Supported Operating Systems: Windows
- Supported Platform: x86 & 64
- Supported Hardware Acceleration: Intel OpenVINO / NVIDIA TensorRT
- Supported Database: MySQL / PostgreSQL / MS SQL / Oracle

Interface

- Camera stream protocol: RTSP / HTTP / HTTPS / ONVIF
- Recorded video formats: MKV / MP4 / ASF / AVI / MJPEG
- Supported codecs: MPEG-4 / MJPEG / H.264 / H.265
- Output formats: JSON / XML / CSV

Main Functionality

- Centralized Management
- Real-time alarms
- Integration with Microsoft Power BI, Google Data Studio, and others
- Unlimited lists support
- Notification settings: internal alarm, by Email / SMS / HTTP / Telegram
- REST API
- Database import CSV and export support EXCEL / PDF / JSON
- Integrated business logic builder
- Support for various interface languages

Security Features

- Active Directory / LDAP
- Groups and roles support
- Encryption of all packages