



Technical Specifications

Vaxtor UIC - Railway Code Recognition App

Recognition of International Union of Railways Wagon and Coach Numbers (UIC)

The certified Vaxtor UIC - Railway Code Recognition App recognizes, based on deep learning processes UIC codes (International Union of Railways Wagon and coach numbers) which adhere to the International standard. The OCR engine takes advantage of many current integrations and publishing capabilities that have been developed over many years.

- Recognition of the UIC Codes
- Real time results for UIC Code, Country Code, Vehicle Type, Control Digit, Direction of travel
- Stop / Go and slow speed (<10 km/h) applications (depending on installation and module selection)
- MOBOTIX events via MxMessageSystem
- Consolidated event search via MxManagementCenter Smart Data Interface and / or MOBOTIX HUB
- meta data transfer through generic transmission protocols and / or pre-defined 3rd party interfaces

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- Two lists for individual actions (e.g. access granted/denied, alarm, etc.)
- Free flow and signaled mode

Product Information

Product Name	Vaxtor UIC - Railway Code Recognition App
Order Code	Mx-APP-VX-UIC
Supported MOBOTIX Cameras	Mx-M73A, Mx-S74A
Minimum Camera Firmware	v7.1.4.x
MxManagementCenter compatibility	■ min. MxMC v2.4.3 ■ Configuration: Advanced Config license required ■ Event Search: Smart Data Interface license included
MOBOTIX HUB compatibility.	■ min. MOBOTIX HUB version: 2020 R3 ■ min. MOBOTIX HUB license level (Analytics Events): L2 ■ min. MOBOTIX HUB license level for Event Search Plug-In: L4

Product Features

App Features	■ Recognition of cargo container codes according to ISO 6346 ■ Real time results: ■ Container Code ■ Owner and corresponding origin ■ Container Type ■ Container Dimensions ■ Control Digit ■ Control Digit Validation ■ Recognition log (Smart Data / Event Search via MxManagementCenter) ■ MOBOTIX events via MxMessageSystem ■ Two lists for individual actions (e.g. access granted/denied, alarm, etc.) ■ Free flow and Signaled mode
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Maximum number of recog- 1

dition areas

Maximum number of enrolled UIC codes	5000 per list
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Meta Data / Statistic formats	JSON, XML
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Trial License	30-day trial license pre-installed
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MxMessageSystem supported	Yes
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Integration Interfaces	■ MxMC Smart Data ■ IP Notification ■ Milestone X-Protect (Analytics Events, Transmission Plug-In) ■ MOBOTIX SYNC ■ Genetec Security Center (Custom Events, Bookmarks) ■ generic 3rd party integration through FTP and / or XML / JSON via HTTP(S) ■ compare supported camera's interfaces
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MOBOTIX Events	Yes
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ONVIF Events	Yes (Generic Message event)
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Supported Railway Codes

Supported Railway Codes	Wagon numbers / codes according to the specification of the International Union of Railways
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Scene Requirements

Character Height	20px - 50px
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Maximum Vertical Angle	30°
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Maximum Horizontal Angle	< 25°
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Maximum Tilt Angle	< 25°
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Technical App Specifications

Synchronous / Asynchronous App	asynchronous
Simultaneous execution of other apps	No
Accuracy	min. 99% (considering scene requirements)
Processed frame rate	typ. 2 fps
Detection time	typ. 900 ms per wagon

