



Technical Specifications

Vaxtor USDOT - Number Recognition App

Recognition of USDOT numbers

The certified Vaxtor USDOT - Number Recognition App recognizes, based on deep learning processes USDOT numbers (US Department of Transportation numbers) which serves as a unique identifier when collecting and monitoring a company's safety information acquired during audits, compliance reviews, crash investigations, and inspections. The OCR engine takes advantage of many current integrations and publishing capabilities that have been developed over many years.

- Recognition of USDOT identification numbers
- Operations up to a vehicle speed of 50 km/h
- 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



Technical Specifications

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

Product Information

Product Name	Vaxtor USDOT - Number Recognition App
Order Code	Mx-APP-VX-USD
Supported MOBOTIX Cameras	M73, S74, D71
Minimum Camera Firmware	v7.3.1.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: 2021 R1 ■ 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 USDOT identification numbers ■ Operations up to a vehicle speed of 50 km/h ■ 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 ■ Two lists for individual actions (e.g. access granted/denied, alarm, etc.) ■ Free flow and Signaled operation mode
Maximum number of recognition areas	1
Maximum number of enrolled USDOT codes	1000 per list
Meta Data / Statistic	JSON

formats

Trial License	30-day trial license pre-installed
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MxMessageSystem supported	Yes
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Integration Interfaces	■ MOBOTIX SYNC ■ Milestone X-Protect (Analytics Events, Transmission Plug-In) ■ Genetec Security Center (Custom Events, Bookmarks) ■ MxMC Smart Data ■ NetworkOptix NxWitness ■ generic 3rd party integration through FTP(S), CSV, 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 Code Formats

Supported Code Formats	USDOT number (U.S. Department of Transportation number) is an interstate operating authority and unique identifier assigned to a moving company performing interstate moves by the FMCSA (Federal Motor Carrier Safety Administration)
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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 Specifications

Technical App Specifications

Synchronous / Asynchronous App	asynchronous
Simultaneous execution of other apps	Yes (depending on performance expectations)
Accuracy	min. 99% (considering scene requirements)
Processed frame rate	typ. 2 fps
Detection time	typ. 900 ms per USDOT number

