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

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- 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 formats	JSON

Trial License	30-day trial license pre-installed
MxMessageSystem supported	Yes
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
MOBOTIX Events	Yes
ONVIF Events	Yes (Generic Message event)

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)

Scene Requirements

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

Technical App Specifications

Synchronous / Asynchronous App	asynchronous
Simultaneous execution of other apps	Yes (depending on performance expectations)

Technical Specifications

Vaxtor USDOT - Number Recognition App

Accuracy	min. 99% (considering scene requirements)
Processed frame rate	typ. 2 fps
Detection time	typ. 900 ms per USDOT number

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