Technical Specifications

Vaxtor License Plate Recognition / Dangerous Goods App

Worldwide usable with over 99% accuracy

Based on deep learning processes the certified Vaxtor License Plate Recognition / Dangerous Goods App recognizes license plates and dangerous goods plates from all over the world). The app can be used at maximum speeds of up to 160 km/h and on several lanes and by an extremely high hit probability of over 99 percent. Via blocking or permission lists, authorized, blocked or searched vehicles can be defined specifically. For example, a gate or barrier in an access road can open or be blocked automatically.

- Subject to license, single payment for unlimited use
- Recognition of license plates with global country coverage
- Recognition of dangerous goods plates (according to ADR standard)
- With over 99% accuracy optimally suited for license plate based access control
- App-integrated Smart Data Data Interface for data retrieval with MxManagementCenter from version 2.4.

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Product Information

Product Name	Vaxtor License Plate Recognition / Dangerous Goods App
Order Code	Mx-APP-VX-ADR
Supported MOBOTIX Cameras	Mx-M73A, Mx-S74A
Minimum Camera Firmware	V7.0.4.x
MxManagementCenter Integration	min. MxMC v2.3.1

Product Features

App Features	- License plate recognition of one- and two-line license plates - read conventional and dangerous good plates simultaneously (according to "European Agreement Concerning the International Carriage of Dangerous Goods by Road Vol. 1") - Support of latin, hebrew and arabic license plate characters for global application - 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 for LPR/ADR
Maximum number of lanes	2
Maximum number of enrolled license plates	1000 per list
Meta Data / Statistic formats	JSON
Trial License	30-day trial license pre-installed
MxMessageSystem supported	Yes

Interfaces	■ MxMC Smart Data
	■ IP Notification
	■ Milestone X-Protect
	■ Vaxtor Helix
	■ generic 3rd party integration via XML
	■ compare supported camera's interfaces
MOBOTIX Events	Yes
ONVIF Events	Yes (Generic Message event)

Supported Countries / Dangerous Goods

Supported license plates / countries	https://community.mobotix.com/t/vaxtor-lpr-app-supported-license-plates-countries
Supported dangerous goods plates	https://community.mobotix.com/t/vaxtor-adr-app-structure-of-dangerous-goods-plates

Scene Requirements

Character Height	20px - 50px (depending on the plate type)
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 (considering performance requirements)
Accuracy	Min. 99% (considering scene requirements)
Processed number of frames per second	Typ. 10 fps
Detection time	Typ. 100 – 120 ms

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