



# Technical Specifications

## Vaxtor LPR incl. Vehicle Make, Model, Color and Class App

### Worldwide usable vehicle identification

Based on deep learning processes the certified Vaxtor LPR incl. Vehicle Make, Model, Color and Class App recognizes license plates as well as vehicle's make, model, color and class (MMC). The app can be used at maximum speeds of up to 160 km/h (LPR only) and 100 km/h (plus MMC) on two lanes and by an extremely high hit probability of over 99 per cent.

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 make, model, color and class
- Over 99% accuracy and high-speed performance
- Use of blocking and permission lists possible



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- App-integrated Smart Data Data Interface for data retrieval with MxManagementCenter version 2.4 or higher

## Product Information

Product Name	Vaxtor LPR incl. Vehicle Make, Model, Color and Class App
Order Code	Mx-APP-VX-MMC
Supported MOBOTIX Cameras	Mx-M73A, Mx-S74A
Minimum Camera Firmware	V7.1.3.15
MxManagementCenter Integration	<ul style="list-style-type: none"><li>▪ min. MxMC v2.4.4</li><li>▪ Configuration: Advanced Config license required</li><li>▪ Recognition Log &amp; Forensic Search: Smart Data Interface license included</li></ul>

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## Product Features

App Features	<ul style="list-style-type: none"><li>▪ License plate recognition of one- and two-line license plates</li><li>▪ Support of latin, hebrew and arabic characters for global application</li><li>▪ Additional recognition of vehicle make, model, color and class</li><li>▪ Recognition log (Smart Data / Event Search via MxManagementCenter)</li><li>▪ MOBOTIX events via MxMessageSystem</li><li>▪ Two lists for individual actions (e.g. access granted/denied, alarm, etc.)</li><li>▪ Free flow and Signaled mode</li></ul>
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

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Interfaces	<ul style="list-style-type: none"> <li>▪ MxMC Smart Data</li> <li>▪ IP Notification</li> <li>▪ Milestone X-Protect</li> <li>▪ Vaxtor Helix</li> <li>▪ generic 3rd party integration via XML</li> <li>▪ compare supported camera's interfaces</li> </ul>
MOBOTIX Events	Yes
ONVIF Events	Yes (Generic Message event)

**Supported Vehicles**

No. of supported Car Makes	> 470
No. of supported Car Models	> 7500
Supported Vehicle Colors	Black, White, Grey, Blue, Red, Green, Brown, Beige, Gold, Yellow, Violet, Orange
Supported Vehicle Classes	Car, Van, Truck, Bus, Motorcycle

**Supported Countries**

Supported license plates / countries	<a href="https://community.mobotix.com/t/vaxtor-lpr-app-supported-license-plates-countries">https://community.mobotix.com/t/vaxtor-lpr-app-supported-license-plates-countries</a>
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**Scene Requirements**

Character Height	20px - 50px (depending on the plate type)
Maximum Vertical Angle	30°
Maximum Horizontal Angle	< 25°
Maximum Tilt Angle	< 25°

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## 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

LPR Detection time

Typ. 100 – 120 ms

Classification time

Typ. 100 - 120 ms

Classification & MMC

Typ. 250 ms

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# MOBOTIX

BeyondHumanVision

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