



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



Technical Specifications

- 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	■ min. MxMC v2.4.4 ■ Configuration: Advanced Config license required ■ Recognition Log & Forensic Search: Smart Data Interface license included

Product Features

App Features	■ License plate recognition of one- and two-line license plates ■ Support of latin, hebrew and arabic characters for global application ■ Additional recognition of vehicle make, model, color and class ■ 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
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
- MOBOTIX SYNC
- generic 3rd party integration via XML
- compare supported camera's interfaces

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 <https://community.mobotix.com/t/vaxtor-lpr-app-supported-license-plates-countries>

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 Yes (considering performance requirements)

Technical Specifications

other apps

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

