Technical Specifications

MOBOTIX FF Group License Plate Recognition App - Region Americas

Certified App for License Plate Recognition

The application recognizes with at least 95% hit probability single and double line license plates from the USA with Latin characters. The high-performance app is capable of monitoring up to three lanes. Depending on the amount of lanes, the application is suitable for vehicles with up to 200 km/h. Via granted & denied, any follow-up actions can be triggered when a recognized license plate belongs to a list (e.g. notification to security service). Typical application areas for the app are: Parking management, access control and regulation, traffic monitoring.

- App delivers events via MxMessageSystem in real-time
- Integrated recognition protocol (last 1000 recognized license plates)
- Detection with at least 95 % accuracy
- Camera can be online or offline
- Configuration of the application also via MxManagementCenter (free Advanced Config license required)
- Usable with all cameras of the MOBOTIX 7 system platform

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Technical Specifications

FF Group License Plate Recognition App - Region Americas

Certified App for License Plate Recognition - Region Middle East

The app's artificial intelligence-based algorithms, which have been successfully tested in numerous middle eastern markets, allow the reliable recognition of single and two-line license plates of vehicles in the supported regions of origin (Saudi Arabia, United Arabic Emirates, Bahrain, Kuwait, Qatar, Oman). Typical application areas for the app are: Parking management, access control and regulation, traffic monitoring.

- App delivers events via MxMessageSystem in real-time
- Integrated recognition protocol (last 1000 recognized license plates)
- Detection with 95% accuracy
- Camera can be online or offline
- Configuration of the application also via MxManagementCenter (free Advanced Config license required)
- Can be used with all cameras of the MOBOTIX 7 system platform

Product Information

Product Name	FF Group License Plate Recognition App - Region Americas
Order Code	Mx-APP-FF-LPR-AM
Supported MOBOTIX Cameras	Mx-M73A, Mx-S74A
Minimum Camera Firmware	v7.1.2.24
MxManagementCenter Integration	- min. MxMC v2.4.x - Configuration: Advanced Config license required - Event Search: Smart Data Interface license included

Product Features

App Features	- License plate recognition of one- and two-line license plates - Recognition of latin characters optimized for American license plates - Recognition log (Smart Data / Event Search via MxManagementCenter) - MOBOTIX events via MxMessageSystem - Multiple lists for individual actions (e.g. access granted, alarm, etc.)
Maximum number of lanes	3
Maximum number of enrolled license plates	1000
Meta Data / Statistic formats	JSON

Trial License	30-day trial license pre-installed
MxMessageSystem supported	Yes
Integration interfaces	- 3rd party integration via HTTP(S) Post and TCP messages - compare supported camera interfaces
MOBOTIX Events	Yes
ONVIF Events	Yes (Generic message event)

Supported Regions

Supported license plates / countries	see https://community.mobotix.com/t/ff-group-lpr-app-region-america-supported-license-plates-countries/3293

Scene Requirements

License Plate Width	min. 130p max. 300px
Maximum Vertical Angle	30°
Maximum Horizontal Angle	30°
Maximum Tilt Angle	5°

Technical App Specifications

Synchronous / Asynchronous App	synchronous
Simultaneous execution of other apps	Yes (considering performance requirements)
Accuracy	min. 95% (considering scene requirements)
Processed framerate	typ. 10 fps
Detection time	typ. 80ms (one lane) typ. 120ms (two lanes)

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