



# Technical Specifications

## MOBOTIX FF Group LPR App – Region US

### 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). The app can be tested free of charge for 30 days and is activated by license for an unlimited period of time. 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 (depending on environmental conditions)
- 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



## Technical Specifications

### MOBOTIX FF Group LPR App – Region US

---

## Product Information

Product Name	FF Group LPR App – Region US
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	<ul style="list-style-type: none"><li>- License plate recognition of one- and two-line license plates</li><li>- Recognition of latin characters optimized for American license plates</li><li>- Recognition log (Smart Data / Event Search via MxManagementCenter)</li><li>- MOBOTIX events via MxMessageSystem</li><li>- Multiple lists for individual actions (e.g. access granted, alarm, etc.)</li></ul>
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	<ul style="list-style-type: none"><li>- 3rd party integration via HTTP(S) Post and TCP messages</li><li>- compare supported camera interfaces</li></ul>
MOBOTIX Events	Yes
ONVIF Events	Yes (Generic message event)

---

## Supported Regions

Supported license plates / countries	see <a href="https://community.mobotix.com/t/ff-group-lpr-app-region-america-supported-license-plates-countries/3293">https://community.mobotix.com/t/ff-group-lpr-app-region-america-supported-license-plates-countries/3293</a>
--------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

---

## 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)

---



[EN\\_04/21](#)

MOBOTIX AG • Kaiserstrasse • D-67722 Langmeil • Tel.: +49 6302 9816-103 • [sales@mobotix.com](mailto:sales@mobotix.com) • [www.mobotix.com](http://www.mobotix.com)

MOBOTIX is a trademark of MOBOTIX AG registered in the European Union, the U.S.A., and in other countries. Subject to change without notice. MOBOTIX do not assume any liability for technical or editorial errors or omissions contained herein. All rights reserved. © MOBOTIX AG 2021