Technical Specifications

MOBOTIX FF Group LPR & MMC Recognition App - Region EUCA

Certified App for License Plate & Make, Model and Color Recognition

The app's artificial intelligence-based algorithms, which have already been successfully tested in numerous European markets, allow the reliable recognition of single and two-line license plates of vehicles in the supported regions of origin (Latin and Hebrew characters and numbers) as well as the recognition of vehicle make, model, color and type. 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 and vehicle make, model, color and type)
- Detection with 99% (LPR) and 90 % MMCR accuracy (depending on environmental conditions)
- 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

HEVCAdvance™

BeyondHumanVision

MOBOTIX

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 LPR & MMC Recognition App - Region EUCA
Order Code	Mx-APP-FF-MMCR-EUCA
Supported MOBOTIX Cameras	Mx-M73A, Mx-S74A
Minimum Camera Firmware	V7.1.2.24
MxManagementCenter Integration	min. MxMC v2.4.x

Product Features

App Features	- License plate recognition of one- and two-line license plates - Latin and Hebrew characters - Additional recognition of vehicle make, model, color and type - Multiple license plate lists for individual actions (e.g. access granted, alarm, etc.) - Recognition protocol (Smart Data / Event Search via MxManagementCenter) - MOBOTIX events via MxMessageSystem
Maximum number of lanes	2
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 Countries/ Vehicles

Supported license plates / countries	see https://community.mobotix.com/t/ff-group-mmcr-app-region-euca-supported-license-plates-countries/3294
Supported makes, models and types	see https://community.mobotix.com/t/ff-group-mmcr-app-region-euca-supported-vehicle-makes-models-and-types/3295

Scene Requirements

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

Technical Specifications

FF Group LPR & MMC Recognition App - Region EUCA

Maximum Horizontal Angle	30°
Maximum Tilt Angle	5°

Technical App Specifications

Synchronous / Asynchronous App	synchronous
Simultaneous execution of other apps	Yes (considering performance requirements)
LPR Accuracy	Min. 95% (considering scene requirements)
MMCR Accuracy	>90% (considering scene requirements)
Processed framerate	typ. 10 fps (Full HD) typ. 3 fps (4K)
Detection time	typ. 100 ms (one lane) typ. 120 ms (two lanes)

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