



Technical Specifications

Vaxtor Aircraft Identification Number Recognition App

Recognition of ICAO- and FAA-issued identification numbers (AIN)

The certified Vaxtor Aircraft Identification Number Recognition App recognizes, based on deep learning processes AIN codes (Aircraft Identification Number) which adhere to the International standard. The OCR engine takes advantage of many current integrations and publishing capabilities that have been developed over many years.

- Recognition of ICAO- and FAA-issued identification numbers
- Identification and tracking in real-time during parking, take-off and landing
- Infrastructure expansion possible without having to interfere with existing air traffic processes and operations
- MOBOTIX events via MxMessageSystem
- Consolidated event search via MxManagementCenter Smart Data Interface and / or MOBOTIX HUB
- meta data transfer through generic transmission protocols and / or pre-defined 3rd party interfaces
- Two lists for individual actions (e.g. access granted/denied, alarm, etc.)



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Product Information

Product Name	Vaxtor Aircraft Identification Number Recognition App
Order Code	Mx-APP-VX-AIN
Supported MOBOTIX Cameras	Mx-M73A, Mx-S74A
Minimum Camera Firmware	v7.3.0.x
MxManagementCenter compatibility	■ min. MxMC v2.5.3 ■ Configuration: Advanced Config license required ■ Event Search: Smart Data Interface license included
MOBOTIX HUB compatibility.	■ min. MOBOTIX HUB version: 2021 R1 ■ min. MOBOTIX HUB license level (Analytics Events): L2 ■ min. MOBOTIX HUB license level for Event Search Plug-In: L4

Product Features

App Features	■ Recognition of ICAO- and FAA-issued identification numbers ■ Operations up to a speed of 50 km/h ■ 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 recognition areas	1
Maximum number of enrolled AIN codes	5000 per list
Meta Data / Statistic formats	JSON, XML
Trial License	30-day trial license pre-installed
MxMessageSystem supported	Yes

Integration Interfaces	■ MxMC Smart Data ■ IP Notification ■ Milestone X-Protect (Analytics Events, Transmission Plug-In) ■ Network Optix NxWitness ■ MOBOTIX SYNC ■ Genetec Security Center (Custom Events, Bookmarks) ■ generic 3rd party integration through FTP and / or XML / JSON via HTTP(S) ■ compare supported camera's interfaces
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MOBOTIX Events Yes

ONVIF Events Yes (Generic Message event)

Supported Aircraft Identification Numbers

Supported Aircraft Identification Numbers ICAO- and FAA-issued identification numbers

Scene Requirements

Character Height 20px - 50px

Maximum Vertical Angle 30°

Maximum Horizontal Angle < 25°

Maximum Tilt Angle < 25°

Technical App Specifications

Synchronous / Asynchronous App asynchronous

Simultaneous execution of other apps No

Accuracy min. 99% (considering scene requirements)

Processed frame rate typ. 10 fps

Detection time typ. 300 ms per number

