Technical Specifications

Vaxtor Container Code Recognition App

Recognition of cargo container codes according to ISO 6346

Based on deep learning processes the certified Vaxtor Container Code Recognition App recognizes container codes and delivers realtime results about the container owner, type dimensions and much more. The app is able to detect container codes within 900 ms and an extremely high hit probability of over 99 percent. Via blocking or permission lists, authorized, or containers with unauthorized content can be defined specifically. Possible areas of use for the application are harbor & airport logistics, container inventory & surveillance, border control, access control or logistic management.

- Recognition of cargo container codes according to ISO 6346 standard

- with over 99% accuracy optimally suited for detection and logging of container codes on entry, between zones, during processes or exit

- Two lists for individual actions (e.g. access granted/denied, alarm, etc.)

- Integrated Smart Data Interface for data retrieval with MxManagementCenter from version 2.4.3.

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Technical Specifications

Product Information

Product Name	Vaxtor Container Code Recognition App
Order Code	Mx-APP-VX-CON
Supported MOBOTIX Cameras	Mx-M73A, Mx-S74A
Minimum Camera Firmware	v7.1.3.x
MxManagementCenter Integration	■ min. MxMC v2.4.3 ■ Configuration: Advanced Config license required ■ Event Search: Smart Data Interface license included

Product Features

App Features	■ Recognition of cargo container codes according to ISO 6346
	■ Real time results:
	    ■ Container Code
	    ■ Owner and corresponding origin
	    ■ Container Type
	    ■ Container Dimensions
	    ■ Control Digit
	    ■ Control Digit Validation
	■ 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 license plates	1000 per list
Meta Data / Statistic formats	JSON

Trial License	30-day trial license pre-installed
MxMessageSystem supported	Yes
Integration 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 Container Codes

Supported Container Codes	Container code specification according to ISO 6346

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. 900 ms per Container

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