

# Product Announcement – May 2023

MOBOTIX SYNC / MOBOTIX MOVE PTZ



# Collect Data. Generate Knowledge. Use Information.

Seeing and understanding are two different things. This is also true in the field of camera surveillance. In classic image analysis, information obtained from these images is playing an increasingly important role. With MOBOTIX, you are not only able to record images, but also to control, digitize and automate processes.



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1.

# QUICK OVERVIEW OF ALL NEW PRODUCTS

# 1. Quick Overview of all new Products



## MOBOTIX SYNC

Consolidates decentralized Data centrally and makes it usable.

- Collect data
- Structure data
- Visualize data
- Use data

▶ [DETAILS](#)

▶ [DATA SHEET](#)

## Mx-SD2A-230-LL-VA

**MOBOTIX MOVE PTZ Camera Basic Model**

- Brand new SONY STARVIS II 2 MP image sensor
- 30x optical zoom
- Low-Light
- Incl. 10 analytics functions

▶ [DETAILS](#)

▶ [DATA SHEET](#)

## Mx-SD2A-230-LL-FM-VA

**MOBOTIX MOVE PTZ Camera for Ceiling Installation**

- Brand new SONY STARVIS II 2 MP image sensor
- 30x optical zoom
- Low-Light
- Incl. 10 analytics functions

▶ [DETAILS](#)

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## Mx-SD1A-540-IR-VA

**MOBOTIX MOVE PTZ Camera for outdoor use**

- Brand new SONY STARVIS I 5 MP image sensor
- 40x optical zoom
- Infrared illumination up to 300 m
- Incl. 10 analytics functions

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## Mx-SD1A-831-LIR-VA

**MOBOTIX MOVE PTZ Camera with LiDAR Technology**

- Brand new SONY STARVIS I 8 MP image sensor
- LiDAR Autofocus System
- 31 optical zoom
- Infrared illumination up to 200 m
- Incl. 10 analytics functions

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# 1. Quick Overview of all new Products - What do you think?

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## YOUR FEEDBACK IS WELCOME

How do you like the latest MOBOTIX products?

When we launch new products, it is the culmination of a long development process based on the needs of the market and our understanding of how automation and AI can help businesses around the world.

Your feedback is therefore very important, and we ask you to share your thoughts anonymously via the link below.

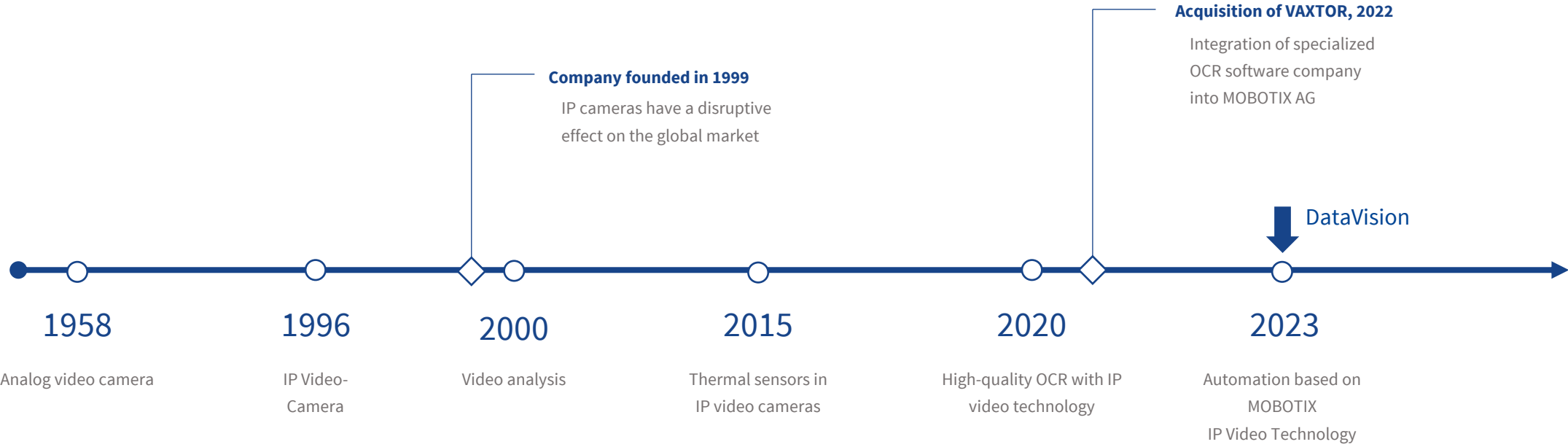
Thank you very much!

[▶ GIVE FEEDBACK](#)  
(time required max. 2 minutes)

2.

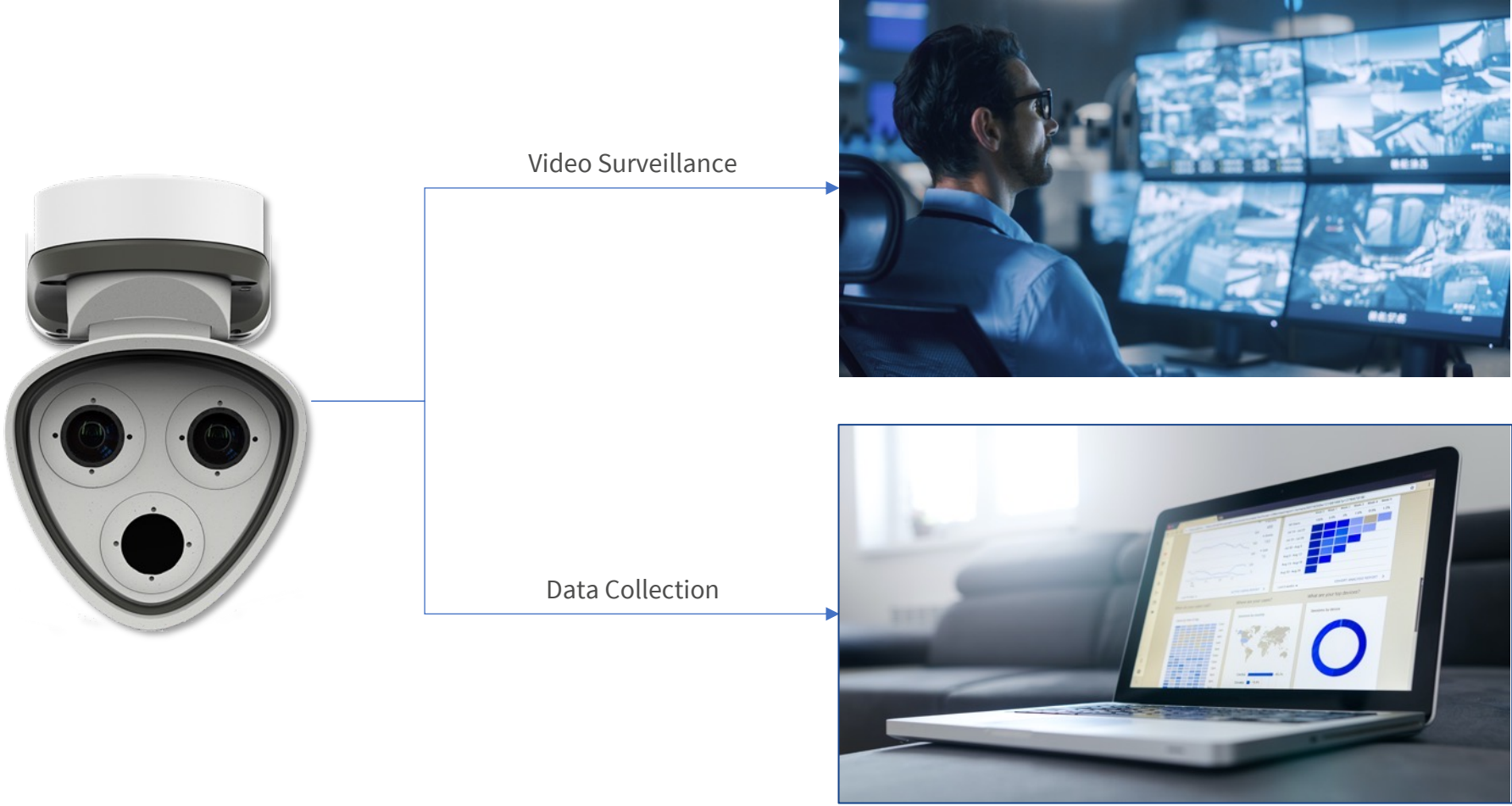
# GENERATE DATA FROM VIDEOS

# 2. Generate Data from Videos – History





# 2. Generate Data from Videos – Video Surveillance and Data Collection



## 2. Generating Data from Videos – Differences between Video Surveillance and Automation

### VIDEO SURVEILLANCE

**Camera**

- Standard IP Camera
- MOBOTIX MOVE
- MOBOTIX MOVE ALPR
- MOBOTIX IoT
- MOBOTIX 7

#### Video Surveillance Apps

- Intrusion Detection
- Object Detection
- Objects left behind or removed
- Face Detection
- Anonymization
- Activity Sensor
- Face Recognition
- Fire Detection
- Smoke Detection

#### VMS

- Live Image of the Camera
- Playback
- Video Research / Forensics
- Recording and Archiving
- **Alarm / Event**
- Interaction
- **MOBOTIX HUB**
- **MOBOTIX ManagementCenter**
- **MOBOTIX Cloud**

#### ARCHIVING

- Storage of Video Recordings
- Short-term Archiving
- Long-term Archiving

#### Data Generator Apps

- License Plate Recognition
- Brand / Model / Color
- Color Recognition
- Barcode Recognition
- Advanced Radiometry
- OCR / Genesis
- Container Code / Railway Code
- Airplane Code
- USDOT

#### Smart Data

##### **Collect and Record**

- Measured Values
- Strings and Numbers
- Codes
- Enriched Metadata
- Free Text

#### Visualization

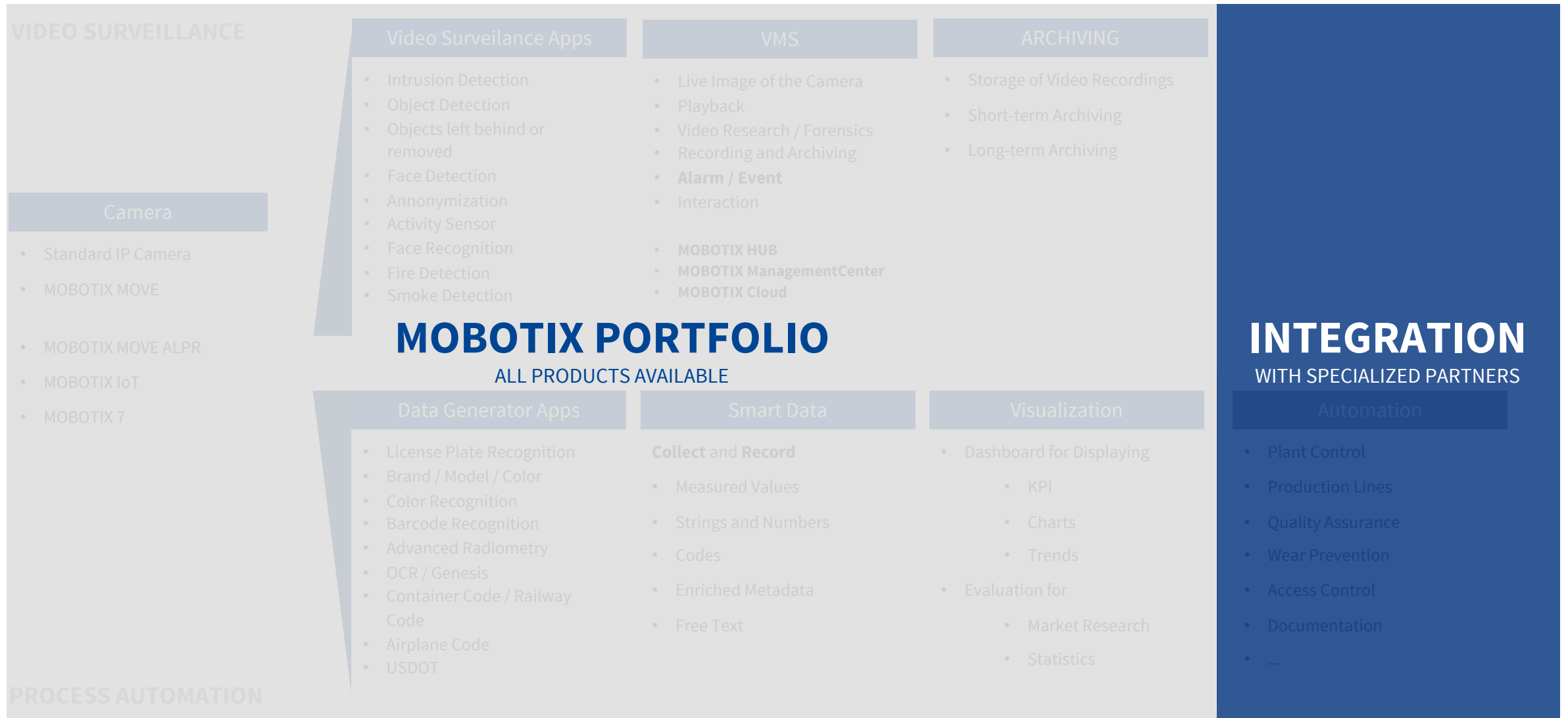
- Dashboard for Displaying
  - KPI
  - Charts
  - Trends
- Evaluation for
  - Market Research
  - Statistics

#### Automation

- Plant Control
- Production Lines
- Quality Assurance
- Wear Prevention
- Access Control
- Documentation
- ...

### PROCESS AUTOMATION

## 2. Generating Data from Videos – Differences between Video Surveillance and Automation



## 2. Generate Data from Videos

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### VIDEO SURVEILLANCE



Classic Market with strong Competition and mature Products.

**Task:**

Monitoring and recording of sensitive areas to protect against damage and theft, unauthorized access or undesirable behavior.

**Goal:**

Security / Preservation of evidence / Forensics

### PROCESS AUTOMATION



Emerging Market around Industry 4.0 and Digitization of Companies.

**Task:**

Collecting data, controlling and monitoring equipment, quality assurance, documentation and gaining knowledge.

**Goal:**

Increase productivity / reduce process costs / gain new insights

3.

# MOBOTIX SYNC Merge and use Data



MOBOTIX

SYNC

**MOBOTIX**  
BeyondHumanVision

Collect the data from all cameras.

Store them centrally in a safe place.

Filter out relevant information for your purposes.

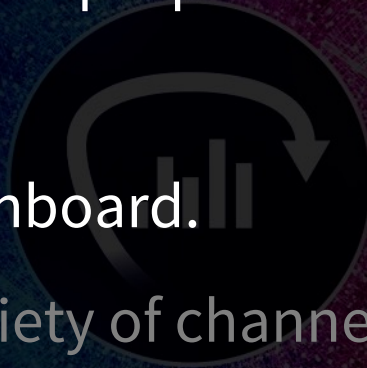
Bring information together.

Visualize complex data sets as a dashboard.

Communicate through a wide variety of channels.

Automate the company's processes.

Reduce effort and process costs.



MOBOTIX




SYNC

### 3. MOBOTIX SYNC – Merging and Using Data



## Obtaining structured Data.

The Link between MOBOTIX Cameras and automated Processes.

COLLECT DATA	VISUALIZE DATA	USE DATA
 <p><b>All data in one place:</b> Collects data from a variety of connected cameras.</p>	 <p><b>Always everything in view:</b> Visualizes structured data in an individual dashboard.</p>	 <p><b>Can be integrated:</b> makes the information obtained available in different ways.</p>

#### Advantages:

- Synchronizes lists with individual cameras and camera groups
- Enables configurations and events with complex dependencies that were previously impossible or very difficult to implement.
- Compatible initially with all VAXTOR apps, successively more apps will be supported.

Master recurring and complex Tasks with MOBOTIX SYNC!

#### THE MOST IMPORTANT:

- MOBOTIX SYNC is intended for **on-premise** installation.
- Application based on web technology and SQL database
- Access via web browser with username & password
- User and role concept
- Supports centrally triggered alarms and notifications via industry standard protocols
- Access control via multiple criteria
- HTTP REST API for integration with third-party systems
- Available now

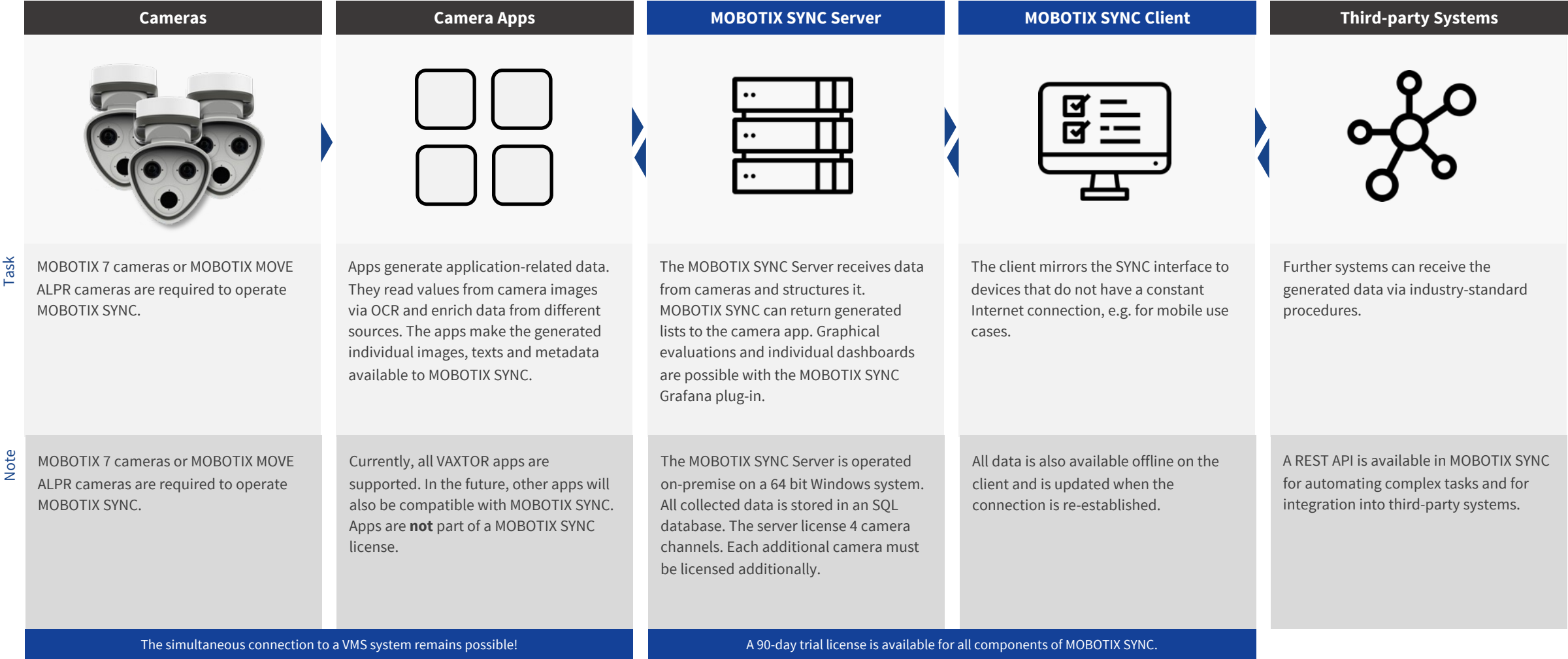
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# 3. MOBOTIX SYNC – Mode of Operation and Product Components



### 3. MOBOTIX SYNC - Your Advantages with MOBOTIX

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MOBOTIX SYNC offers completely new possibilities for many industries and company sizes. **Even more than can be described here.**

FEATURE	ADVANTAGE	BENEFITS
Read-out data and meta data are stored centrally in a database.	Data from different cameras is available centrally and can be used for complex search queries.	Information is now available that previously could not be generated or could only be generated at great expense, e.g. the container code together with the vehicle license plate plus images of the vehicle for documentation purposes.
Data is visualized via Grafana plug-in in various display formats.	Instead of long rows and tables of numbers and letters, the information obtained is presented clearly as graphs.	Dashboards and KPI become visually tangible, trends can be identified, data can be interpreted immediately.
Data triggers events and alarms that can be issued through various means.	Notifications are delivered through a variety of existing communication channels and can be targeted as needed.	Applications in the areas of security, quality management, logistics and marketing can be individually implemented.
Collected data lists can be exported automatically or manually	Data can be exported at any time as structured data records and, if necessary, processed further with downstream systems. In addition to manual export, the process can also be automated.	All acquired data, across all cameras, is available for any purpose at any time.
Generated data lists can be fed back to the camera.	Bidirectional synchronization of data lists between third-party systems, MOBOTIX SYNC and the connected cameras.	Greatly simplified maintenance or even fully automated processes e.g. for access authorizations etc.
Integration of MOBOTIX SYNC via REST API possible.	Deep integration of data-driven processes with third-party systems is easily possible using REST API.	Reliable automation solutions and Industry 4.0 applications in the industrial sector.

### 3. MOBOTIX SYNC – Merging and Using Data

Capture date	Plate	Image	Status	Camera	Country	Direction	Speed
09.01.2023, 08:39:50	KL MK 37		Allowed	LPR-3	DEU	Stopped	-1
09.01.2023, 08:39:36	KL MK 37		Allowed	LPR-2	DEU	Unknown	-1
09.01.2023, 08:39:29	KL MK 37		Allowed	LPR-1	DEU	Stopped	-1
09.01.2023, 08:38:36	SB TU 88		Allowed	LPR-2	DEU	Stopped	-1
09.01.2023, 08:38:29	SB TU 88		Allowed	LPR-1	DEU	Getting closer	-1
09.01.2023, 08:38:12	BTU 88		Allowed	LPR-3	DEU	Stopped	-1
09.01.2023, 08:37:44	KL D 24		Allowed	LPR-3	DEU	Stopped	-1
09.01.2023, 08:37:39	KL D 24		Allowed	LPR-2	DEU	Stopped	-1
09.01.2023, 08:37:34	HKLD 24		Allowed	LPR-1	DEU	Stopped	-1
09.01.2023, 08:36:25	LMB 50		Allowed	LPR-2	DEU	Stopped	-1
09.01.2023, 08:36:24	KL MB 50		Allowed	LPR-1	DEU	Stopped	-1
09.01.2023, 08:36:18	KL MB 50		Allowed	LPR-3	DEU	Stopped	-1
09.01.2023, 08:33:59	KIB MX 9		Allowed	LPR-3	DEU	Stopped	-1

Alerting

Alert rules & notifications

Alert Rules

New Notification Channel

Name

Type

Default (send on all alerts)

Include image

Disable Resolve Message

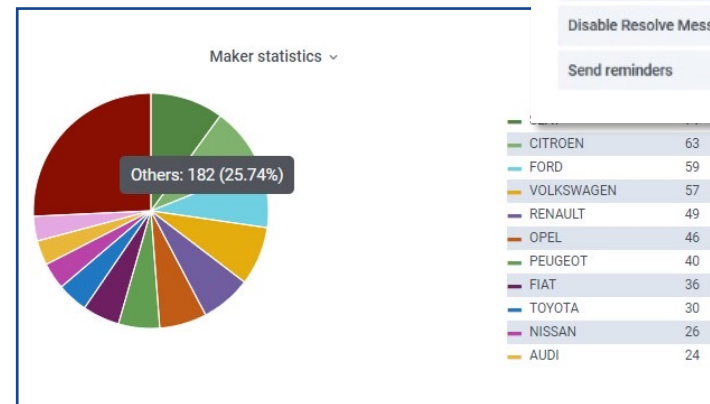
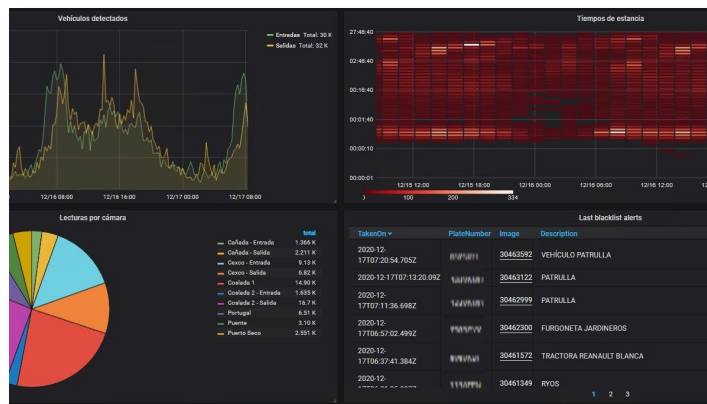
Send reminders

- OpsGenie
- Sensu
- Threema Gateway
- Kafka REST Proxy
- LINE
- Slack
- Microsoft Teams
- VictorOps
- DingDing
- Discord
- Email
- HipChat
- PagerDuty
- Pushover
- Telegram
- webhook

Pushover

#### USING DATA

- **Download manually**
  - CSV
  - PNG
- **Automated forwarding**
  - E-Mail
  - Teams
  - Pushover
  - ...
- **Integrate via REST API**
  - Existing applications
  - New applications
  - Automation platforms



### 3. MOBOTIX SYNC - Use Cases

#### Access Control

**Problem/Bottleneck:**

- Control access to industrial facilities, such as factories or warehouses
- Automatic detection and identification of authorized vehicles, allowing fast and secure access while denying access to unauthorized vehicles

**Business Benefit**

- Ensure/increase protection of own assets

#### Vehicle Tracking

**Problem/Bottleneck:**

- Tracking the movement of vehicles inside industrial facilities

**Business Benefit**

- Optimized processes
- Less overload
- Improved security

#### Asset Management

**Problem/Bottleneck:**

- Responsibility for third-party assets such as containers, vans, rental cars, etc.
- Condition / User documentation

**Business Benefit**

- Protection against third-party claims for damages

#### Ramp Management

Goods receipt / goods issue

**Problem/Bottleneck:**

- Efficient handling of unloading and loading operations
- Minimization of waiting times
- Documentation/optimization of arrival and departure of transports

**Business Benefit**

- Maximizing efficiency and productivity
- Just in time deliveries and further processing

#### Inventory Management

**Problem/Bottleneck:**

- Tracking of goods and material movements to support inventory management

**Business Benefit**

- Optimization of supply chain operations

#### Security

**Problem/Bottleneck:**

- Identify and track unregistered vehicles or vehicles involved in criminal activity.

**Business Benefit**

- Enable law enforcement or security personnel to take immediate action to protect the company's employees and other assets

#### Compliance Monitoring

**Problem/Bottleneck:**

- Compliance with traffic rules, parking regulations and guidelines for the use of charging stations

**Business Benefit**

- Reduce traffic violations and ensure fair use of charging stations.
- In addition, violations can be penalized

#### Fleet Management

**Problem/Bottleneck:**

- Monitoring the condition of electric vehicles in a fleet, including their location and overall condition

**Business Benefit**

- Help fleet managers optimize routes, plan maintenance schedules, and improve the overall efficiency of their operations

### 3. MOBOTIX SYNC - Use Cases

<h4>Asset Management </h4> <p><b>Problem/Bottleneck:</b></p> <ul style="list-style-type: none"><li>• Monitor the movement of goods such as vehicles, trailers and containers</li><li>• Ensuring that they are used efficiently and are in good condition</li><li>• Documentation of condition and appearance</li></ul> <p><b>Business Benefit</b></p> <ul style="list-style-type: none"><li>• Optimization of plant utilization and cost reduction</li><li>• Traceability of damage reduces compensation, avoids increased insurance costs or lost containers</li></ul>	<h4>Route Optimization </h4> <p><b>Problem/Bottleneck:</b></p> <ul style="list-style-type: none"><li>• Documentation of holding times and peaks at the unloading point (ramp)</li><li>• Documentation/optimization of arrival and departure of transports</li></ul> <p><b>Business Benefit</b></p> <ul style="list-style-type: none"><li>• Lower transport costs and shorter delivery times</li><li>• Supports just-in-time delivery as a selling point</li><li>• Increased customer satisfaction</li></ul>	<h4>Quality Control </h4> <p><b>Problem/Bottleneck:</b></p> <ul style="list-style-type: none"><li>• monitor the quality of the transported goods</li><li>• Ensure that they are handled appropriately and are not damaged during transport</li><li>• ensure that customers receive the goods in the expected condition</li></ul> <p><b>Business Benefit</b></p> <ul style="list-style-type: none"><li>• (increased) customer satisfaction</li><li>• Quality assurance measure supports a positive reputation</li><li>• Increased transparency also enables control according to possible sanctions</li></ul>	<h4>Traffic Monitoring </h4> <p><b>Problem/Bottleneck:</b></p> <ul style="list-style-type: none"><li>• Monitor traffic flow, detect incidents/anomalies and improve traffic management.</li></ul> <p><b>Business Benefit</b></p> <ul style="list-style-type: none"><li>• Reduce congestion and improve the overall efficiency of the parking facility.</li></ul>
<h4>Compliance Monitoring </h4> <p><b>Problem/Bottleneck:</b></p> <ul style="list-style-type: none"><li>• Monitoring compliance with parking regulations, such as the use of designated parking spaces or limits on parking time</li></ul> <p><b>Business Benefit</b></p> <ul style="list-style-type: none"><li>• Preventing violations and ensuring fair and equal access to parking.</li></ul>	<h4>Customer Service </h4> <p><b>Problem/Bottleneck:</b></p> <ul style="list-style-type: none"><li>• Improved customer service, e.g. helping customers find their vehicles</li><li>• Real-time updates on the availability of parking spaces</li></ul> <p><b>Business Benefit</b></p> <ul style="list-style-type: none"><li>• Improve the overall customer experience and increase customer satisfaction</li></ul>	<h4>Business Intelligence </h4> <p><b>Problem/Bottleneck:</b></p> <ul style="list-style-type: none"><li>• Provide valuable data and insights on parking facility operations.</li></ul> <p><b>Business Benefit</b></p> <ul style="list-style-type: none"><li>• Enable owners and operators to improve safety and efficiency</li><li>• Improve the overall customer experience and increase profitability</li></ul>	<h4>Runway Monitoring </h4> <p><b>Problem/Bottleneck:</b></p> <ul style="list-style-type: none"><li>• Monitoring of runways, taxiways, and other critical areas, including detection of known/noticeable aircraft identification numbers</li><li>• Documentation and tracking of unauthorized landings at unmanned airports</li></ul> <p><b>Business Benefit</b></p> <ul style="list-style-type: none"><li>• Reducing the unlawful use of unmanned airports, including a corresponding contribution to investigations</li></ul>

### 3. MOBOTIX SYNC - Use Cases

<h4>Aircraft Surveillance </h4> <p><b>Problem/Bottleneck:</b></p> <ul style="list-style-type: none"><li>Monitoring aircraft, providing and documenting information about their position (speed and altitude).</li></ul> <p><b>Business Benefit</b></p> <ul style="list-style-type: none"><li>Supporting air traffic controllers in managing the flow of traffic</li><li>Risk reduction and increased efficiency/productivity</li></ul>	<h4>Access Control </h4> <p><b>Problem/Bottleneck:</b></p> <ul style="list-style-type: none"><li>Control of access to critical infrastructure such as power plants, water treatment plants, or airports (especially unmanned sites).</li></ul> <p><b>Business Benefit</b></p> <ul style="list-style-type: none"><li>Enables fast and secure access while denying unauthorized vehicles access to protect mission critical areas</li></ul>	<h4>Security </h4> <p><b>Problem/Bottleneck:</b></p> <ul style="list-style-type: none"><li>Identify and track unregistered vehicles or vehicles involved in criminal activity.</li></ul> <p><b>Business Benefit</b></p> <ul style="list-style-type: none"><li>Enable law enforcement or security personnel to take immediate action to protect the company's employees and other assets</li></ul>	<h4>Vehicle/Asset Tracking </h4> <p><b>Problem/Bottleneck:</b></p> <ul style="list-style-type: none"><li>Tracking the movement of vehicles inside industrial facilities</li></ul> <p><b>Business Benefit</b></p> <ul style="list-style-type: none"><li>Optimized processes</li><li>Less overload</li><li>Improved security</li></ul>
<h4>Emergency Measures </h4> <p><b>Problem/Bottleneck:</b></p> <ul style="list-style-type: none"><li>Support emergency operations by providing real-time information on the movement of emergency vehicles</li></ul> <p><b>Business Benefit</b></p> <ul style="list-style-type: none"><li>Enabling more efficient scheduling and coordination</li></ul> <p>...</p>			

-  Industry
-  Industry/E-Mobility
-  Logistics
-  Parking
-  Airports
-  Energy and Critical Infrastructure

### 3. MOBOTIX SYNC – Compatible Products – Cameras



#### MOBOTIX S74

##### Extremely versatile

- Modular camera system for individual requirements and integrations indoors and outdoors
- MOBOTIX 7 Platform
- 4 external connections for sensors and modules
- 2 plug-in slots for extensions
- Integrate discreetly
- Individually expandable through apps

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▶ [DATA SHEET](#)

#### MOBOTIX M73

##### Extremely powerful

- Outdoor high-end camera for indoor and outdoor use, modular structure and mounting device for various applications.
- MOBOTIX 7 Platform
- Up to 3 modules
- Individually expandable through apps

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#### MOBOTIX D71/v71

##### Extremely robust

- Dome camera with fixed adjustable pan-tilt head in two versions for outdoor and indoor use.
- MOBOTIX 7 Platform
- 1 preinstalled sensor module
- Individually expandable through apps

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#### MOBOTIX p71

##### Extremely attractive

- Indoor dome camera with fixed adjustable pan-tilt head for indoor use.
- MOBOTIX 7 Platform
- 1 preinstalled sensor module
- Individually expandable through apps

▶ [DETAILS](#)

▶ [DATA SHEET](#)

#### MOBOTIX MOVE ALPR CAMERAS

##### The all-in-one camera for license plate recognition and vehicle detection

- **VAXTOR ALPR and MMC functionality already integrated**
- Plug & Play
- VAXTOR license already activated
- Sony 2MP image sensor 1/2.8"
- Motorized varifocal lens in two versions: Standard and distance
- MOBOTIX EverClear® Front Glass
- Incl. 64 GB SD card

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▶ [DATA SHEET](#)

### 3. MOBOTIX SYNC – Compatible Products – Apps and Software



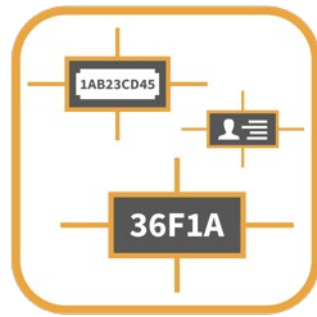
#### VAXTOR AIN

##### Airplane Identification

- Recognition of ICAO and FAA identification numbers
- Provides real-time metadata such as aircraft ID, aircraft type, country, etc.
- Exclusion and permission lists
- 99% accuracy

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#### Vaxtor Genesis App

##### The all-rounder among the apps for character recognition

- Recognizes industry codes, ID cards, labels, serial numbers, etc.
- Upper case letters and numbers from 2 to 24 characters
- Securing through grammar rules and basic parameters

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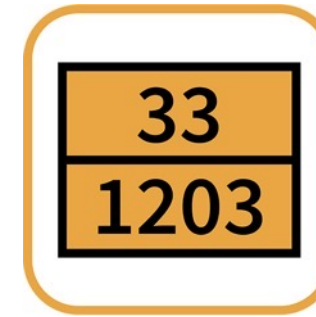
#### VAXTOR License Plate Recogn.

##### License plate recognition

- Recognize license plates with global country coverage with over 99% accuracy
- Exclusion and permission lists
- App-integrated smart data interface for data research

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#### VAXTOR Dangerous Goods

##### License plate recognition incl. dangerous goods plates

- Recognition of international license plates
- Recognition of dangerous goods plates (according to ADR standard)
- Accuracy 99%
- Exclusion and permission lists
- 4K resolution possible
- App-integrated smart data interface for data research

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#### VAXTOR LPR Multi Lens

##### License plate recognition with multiple image sensors

- Simultaneous detection on two image sensors
- Dwell time monitoring
- Recognition of international license plates
- Exclusion and permission lists

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### 3. MOBOTIX SYNC – Compatible Products – Apps and Software



#### VAXTOR Make Model Color

##### License plate recognition with MMC

- Recognition of international license plates up to 160 km/h
- Additional recognition of vehicle manufacturer, model, color and class at up to 100 km/h
- Two lists for individual actions (e.g. access granted/denied, alarm, etc.)
- Freeflow and Signaled Mode

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#### VAXTOR UIC Railway

##### UIC code recognition

- Recognition of wagon numbers according to the specification of the International Union of Railways (UIC codes)
- Real-time recognition of: UIC code, country code, vehicle type, control digit, direction of travel.
- Recognition accuracy >99%

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#### VAXTOR USDOT

##### USDOT detection

- On-board databases: 100,000 read operations can be temporarily stored in the camera
- Metadata
- Lists for individual actions (e.g. access granted/denied, alarm, etc.)

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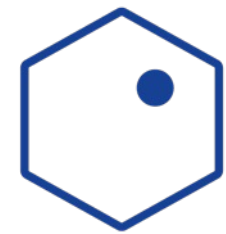
#### VAXTOR Container Code

##### Cargo container detection

- Recognition of freight container codes according to ISO 6346
- Two lists with stored container codes for individual actions (e.g. access granted, alarm triggered, etc.)
- Recognition accuracy >99%

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## MOBOTIX HUB

#### MOBOTIX HUB

##### Powerful and scalable video management system

The MOBOTIX SYNC Client can be integrated into MOBOTIX HUB L2 and higher using a plug-in. The plug-in is **free of charge**.

Via the plug-in, the complete user interface of the MOBOTIX SYNC Client is conveniently available within the MOBOTIX HUB user interface.

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► [DOWNLOAD](#)

### 3. MOBOTIX SYNC – Ordering Information

MOBOTIX SYNC	
Model name Order number	Description
MOBOTIX SYNC Server Mx-SYNC-S-BAS	<ul style="list-style-type: none"><li>• Storage of metadata and attached images created by MOBOTIX-certified apps (e.g. Vaxtor ALPR / OCR apps) or other compatible data sources were generated</li><li>• 4 camera licenses including additional cameras via additional license as needed</li><li>• Control of incoming license plate/metadata (e.g. automatic license plate recognition) in real time</li><li>• Search and filter existing license plate/metadata based on content such as license plate, country, camera, zone, make, model, color, driving direction, etc.</li><li>• Download and export custom license plate lists and search results</li><li>• The management of cameras includes:<ul style="list-style-type: none"><li>• Camera zones</li><li>• Manage and synchronize the list of denied and allowed license plates</li><li>• Assignment of actuators (incl. camera I/Os)</li></ul></li><li>• Manage retention policies separately for images and metadata</li><li>• Supports GDPR measures with special reports and data erasure</li><li>• Granular user and group permissions</li><li>• Login management including LDAP integration</li><li>• Logging of all interactions on the system, including actions performed by cameras</li><li>• Sending notifications (e.g. via e-mail)</li><li>• Server license term: 3 years</li></ul>
MOBOTIX SYNC Camera Device License Mx-SYNC-S-DEV	<ul style="list-style-type: none"><li>• 1 camera license per additional camera*</li><li>• Allows you to add cameras to the Server/client as required</li></ul> <p>* 4 camera licenses included in Server Base license</p>

\*MOBOTIX MSRP prices are recommended net sales prices Ex Works (EXW), ex works in Germany. In some countries, MOBOTIX distributors have to apply locally higher sales prices due to import regulations/duties.

### 3. MOBOTIX SYNC – Ordering Information

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#### MOBOTIX SYNC CLIENT

Model name Order number	Description
MOBOTIX SYNC Client Mx-SYNC-S-CLI	<ul style="list-style-type: none"><li>• redundant operation and data storage for applications with intermittent connection to the server (e.g. mobile applications)</li><li>• active server connection enables continuous data synchronization</li></ul>

#### MOBOTIX SYNC VISUALIZATION

Model name Order number	Description
MOBOTIX SYNC Grafana Plug-In Mx-SYNC-P-GRA	<p>Visualization and consolidation of incoming metadata in custom dashboards included:</p> <ul style="list-style-type: none"><li>• statistical insights</li><li>• Data queries</li><li>• Marks &amp; Notes</li><li>• Creation and management of alerts/post actions</li><li>• Exports</li></ul>

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4.

# NEW MOBOTIX MOVE PTZ MODELS

## 4. New MOBOTIX MOVE PTZ Cameras



**Mx-SD2A-230-LL-VA**

**PRODUCT PROFILE:**

- Image sensor SONY STARVIS II, 2MP 1/2.8" Progressive CMOS IMX662
- Resolution 1965 x 1113 pixels
- **Ambarella CV25 processor**
- **Low Light** / P-IRIS / Auto-IRIS / WDR
- Light sensitivity: 0.01 Lx color
- 30x optical zoom
- Motorized zoom lens (F1.6-F4.7: 4.3 to 129 mm)
- Horizontal FOV: 59.3° (wide), 1.9° (tele)
- Vertical FOV: 34.9° (wide), 1.4° (tele)
- **10 analytics functions incl. DNN face and car license plate recognition**
- **Mx-Message communication system**



**Mx-SD2A-230-LL-FM-VA**

**PRODUCT PROFILE:**

- **Flush Mount**
- Image sensor SONY STARVIS II, 2MP 1/2.8" Progressive CMOS IMX662
- Resolution 1965 x 1113 pixels
- **Ambarella CV25 Processor**
- Low Light / P-IRIS / Auto-IRIS / WDR
- Light sensitivity: 0.01 Lx color
- 30x optical zoom
- Motorized zoom lens ( F1.6-F4.7: 4.3 to 129 mm)
- Horizontal FOV: 59.3° (wide), 1.9° (tele)
- Vertical FOV: 34.9° (wide), 1.4° (tele)
- **10 analytics functions incl. DNN face and car license plate recognition**
- **Mx-Message communication system**



**Mx-SD1A-540-IR-VA**

**PRODUKT-STECKBRIEF:**

- Image sensor SONY STARVIS II, 5MP 1/2.8" Progressive CMOS IMX675
- Resolution 2608 x 1964 pixels
- **Ambarella CV25 processor**
- P-IRIS / Auto-IRIS / WDR
- Light sensitivity: 0.02Lx color
- 40x optical zoom
- Motorized zoom lens (F1.6-F4.95: 4.3 to 170mm)
- Horizontal FOV: 62.6° (wide), 1.9° (tele)
- Vertical FOV: 48.8° (wide), 1.4° (tele)
- Infrared illumination up to **300 m**
- **10 analytics functions incl. DNN face and car license plate recognition**
- **Mx-Message communication system**



**Mx-SD1A-831-LIR-VA**

**PRODUKT-STECKBRIEF:**

- **LiDAR autofocus system**
- Image sensor SONY STARVIS II, 8MP 1/1.8" Progressive CMOS IMX678
- Resolution 3856 x 2180 pixels (4k)
- **Ambarella CV25 processor**
- P-IRIS / Auto-IRIS / WDR
- Light sensitivity: 0.08 Lx color
- 31x optical zoom
- Motorized zoom lens (F1.35-F4.6: 6.9 to 214.6 mm)
- Horizontal FOV: 61.8° (wide), 2.2° (tele)
- Vertical FOV: 35.9° (wide), 1.3° (tele)
- Infrared illumination up to **200 m**
- **10 analytics functions incl. DNN face and car license plate recognition**
- **Mx-Message communication system**

## 4. New MOBOTIX MOVE PTZ Models – Analytics



### More than just a high-quality Camera:

#### Support through integrated Analytics and AI

The new MOBOTIX MOVE PTZ cameras are impressive not only because of their technical specifications or their high-quality and durable workmanship. They make daily work equally easy with clever functions and presets that facilitate regular work and are intuitive to use.

With the **auto-tracking function**, captured persons and objects are reliably tracked.

In addition, the cameras offer numerous analytics functions that can be used to automate complex processes. In combination with individual camera presets, the MOBOTIX MOVE cameras become an all-rounder. From monitoring people and objects or behavior, many applications are conceivable. However, the Deep Neural Network functions also offer even more powerful options for access authorization, statistical analysis and market research, e.g. in the field of smart cities or parking monitoring and logistics!

Benefit from intelligent camera functions. Increase efficiency and reduce the error rate in routine tasks.

\*Except for AI-based functions such as facial recognition and license plate recognition.

#### Onboard Analytics:

Up to two analytics functions can be operated simultaneously: \*

- Objects left behind
- Intrusion
- Sabotage
- Wrong direction
- Loitering
- Object counting
- Object removal
- Stopping vehicle

#### AI-based functions

- Face recognition (incl. gender and age estimation)
- License plate recognition (50 countries)

▶ [DATA SHEETS](#)

## 4. New MOBOTIX MOVE PTZ Models

Ordering information	
Model name Order number	Description
2MP Speed Dome Low Light Video Analytics Camera <a href="#">Mx-SD2A-230-LL-VA</a>	MOBOTIX MOVE SpeedDome Network Camera SD-230-LL-VA •Weatherproof motor-driven ONVIF S / G /T/M Dome PTZ camera •10 Integrated Video Analytic Function incl. DNN Face- and License-Plate Recognition, linkable to PTZ Presets • Up to 30x optical zoom • Image sensor: 2MP SONY STARVIS II IMX662 (1936 x 1100), 1/2.8" Progressive CMOS • Automatic switching from color to B / W image (mechanical IR cut filter) • Motor-controlled Zoom lens (F1.6-F4.7: 4.3 to 129 mm, viewing angle HxV: 59.3 ° - 2.3 ° x 34.9 ° -1.4 °) with autofocus and P-Iris with automatic adaptation to changing light situations • Auto Object Tracking, DNN based (Human, Vehicles) •2D & 3D Motion Compensated Noise Reduction (MCTF) •IP66, IK10 • Ambient temperature -40 to 55°C, humidity 10 to 90% • Video codecs: H.264, H.265, MJPEG (up to 3 streams simultaneously) • Wide Dynamic Range (130 dB) • Max. Frame rate: 2MP @ 30 fps (H.264, with and without WDR enabled); MJPEG: 1080p @ 30 fps • Power supply: PoE+ IEEE802.3at, max. 25.5 W, AC24V max. 29.04 W / 53.24 VA • Hardened and "self-cleaning" anti-reflex dome bubble coating by MOBOTIX EverClear • MTBF: 50.000h • Warranty: 5 years
2MP Speed Dome Low-Light Flush Mount Video Analytics Camera <a href="#">Mx-SD2A-230-LL-FM-VA</a>	MOBOTIX MOVE SpeedDome Network Camera SD-230-LL-FM-VA •Weatherproof motor-driven ONVIF S / G /T/M Indoor Dome PTZ camera for ceiling flush mount • 10 Integrated Video Analytic Function incl. DNN Face- and License-Plate Recognition, linkable to PTZ Presets • Up to 30x optical zoom • Image sensor: 2MP SONY STARVIS II IMX662 (1936 x 1100), 1/2.8" Progressive CMOS • Automatic switching from color to B / W image (mechanical IR cut filter) • Motor-controlled Zoom lens (F1.6-F4.7: 4.3 to 129 mm, viewing angle HxV: 59.3 ° - 2.3 ° x 34.9 ° -1.4 °) with autofocus and P-Iris with automatic adaptation to changing light situations • Auto Object Tracking, DNN based (Humans, Vehicles) •2D & 3D Motion Compensated Noise Reduction (MCTF) • Ambient temperature -40 to 55°C, humidity 10 to 90% • Video codecs: H.264, H.265, MJPEG (up to 3 streams simultaneously) • Wide Dynamic Range (130 dB) • Max. Frame rate: 2MP @ 30 fps (H.264, with and without WDR enabled); MJPEG: 1080p @ 30 fps • Power supply: PoE+ IEEE802.3at, max. 17.71 W, AC24V max. 17.10 W / 32.76 VA • Hardened and "self-cleaning" anti-reflex dome bubble coating by MOBOTIX EverClear • MTBF: 50.000h • Warranty: 5 years

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## 4. New MOBOTIX MOVE PTZ Models

### Ordering information

Model name Order number	Description
5MP Speed Dome IR Light Video Analytics Camera <a href="#">Mx-SD1A-540-IR-VA</a>	MOBOTIX MOVE SpeedDome Network Camera SD-540-IR-VA •Weatherproof motor-driven ONVIF S / G /T/M Dome PTZ camera • 10 Integrated Video Analytic Function incl. DNN Face- and License-Plate Recognition, linkable to PTZ Presets • Up to 40x optical zoom • Image sensor: 5MP SONY STARVIS II IMX675 (2608 x 1964), 1/2.8" Progressive CMOS • Automatic switching from color to B / W image (mechanical IR cut filter) • Motor-controlled Zoom lens (F1.6-F4.95: 4.3 to 170 mm, viewing angle HxV: 62,6 ° - 1,9 ° x 48,8 ° -1.4 °) with autofocus and P-Iris with automatic adaptation to changing light situations • Auto Object Tracking, DNN based (Humans, Vehicles)•2D & 3D Motion Compensated Noise Reduction (MCTF) •IR LEDs (working distance up to 300m)• IP66 • Ambient temperature -40 to 55°C, humidity 10 to 90% • Video codecs: H.264, H.265, MJPEG (up to 4 streams simultaneously) • Wide Dynamic Range (130 dB) • Max. Frame rate: 5MP @ 30 fps (H.264, with and without WDR enabled); MJPEG: 1080p @ 30 fps • Power supply: PoE++ IEEE802.3bt, max. 51 W, AC24V max. 59.05 W / 87.12 VA • Hardened and "self-cleaning" anti-reflex camera front glass coating by MOBOTIX EverClear • MTBF: 50.000h • Warranty: 5 years
4K Speed Dome IR Light Video Analytics Camera <a href="#">Mx-SD1A-831-LIR-VA</a>	MOBOTIX MOVE SpeedDome Network Camera SD-831-LIR-VA •Weatherproof motor-driven ONVIF S / G /T/M Dome PTZ camera •10 Integrated Video Analytic Function incl. DNN Face- and License-Plate Recognition, linkable to PTZ Presets • Up to 31x optical zoom • Precise LiDAR Focusing System • Image sensor: 8MP SONY STARVIS II IMX678 (3856 x 2180) 4K, 1/1.8" Progressive CMOS • Automatic switching from color to B / W image (mechanical IR cut filter) • Motor-controlled Zoom lens (F1.35-F4.6: 6.9 to 214.6 mm, viewing angle HxV: 61.8 ° - 2.2 ° x 35.9 ° -1.3 °) with autofocus and P-Iris with automatic adaptation to changing light situations • Auto Object Tracking, DNN based (Humans, Vehicles)•IR LEDs (working distance up to 200m •2D & 3D Motion Compensated Noise Reduction (MCTF)•IR LEDs (working distance up to 200m• IP66 • Ambient temperature -40 to 55°C, humidity 10 to 90% • Video codecs: H.264, H.265, MJPEG (up to 4 streams simultaneously) • Wide Dynamic Range (130 dB) • Max. Frame rate: 8MP @ 30 fps (H.264, with and without WDR enabled); MJPEG: 1080p @ 30 fps • Power supply: PoE++ IEEE802.3bt, max. 51 W, AC24V max. 53,10 W / 74,80 VA • Hardened and "self-cleaning" anti-reflex camera front glass coating by MOBOTIX EverClear • MTBF: 50.000h • Warranty: 5 years

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5.

# CHANGES IN THE EXECUTIVE BOARD OF MOBOTIX AG

## 5. Changes in the Executive Board of MOBOTIX AG



CEO

**THOMAS LAUSTEN**

Appointed by the Supervisory Board as Chief Executive Officer (CEO) of MOBOTIX AG for another two years.



CFO

**KLAUS KIENER**

Appointed by the Supervisory Board as Chief Financial Officer (CFO) of MOBOTIX AG for another two years.



CTO

**Christian Cabirol**

Replaced the previous Chief Technology Officer (CTO) Hartmut Sprave as early as April 1, 2023.



CSMO

**Philippos Antoniou**

Joined as Chief Sales and Marketing Officer (CSMO) on May 1, 2023. This resort was newly created.

[▶ TO THE PRESS RELEASE](#)

6.

# IMPORTANT LINKS AND DOWNLOADS

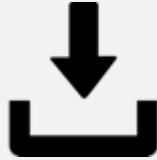
## 6. Important Links and Downloads

### Products



[Overview of the entire MOBOTIX product range...](#)

### Software



[Download software, firmware, apps and driver packages...](#)

### Documentation



[Technical documentation, whitepapers, technical drawings and more...](#)

### Trainings



[Current dates about webinars, trainings and events...](#)

### Partner Toolbox



[Sales support such as brochures, presentations, videos, etc. can be found in our Toolbox, exclusively for MOBOTIX partners.](#)



[Open link to Apple AppStore](#)



[Open link to Google PlayStore](#)

[Website for PC / MAC](#)

### Price list



[Current price lists on the MOBOTIX website including ETIM and DATANORM catalogs](#)

### Feedback



[We live from the constant improvement. Therefore, please share your opinion with us...](#)

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BeyondHuman**Vision**

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