



Efficient Police Work With Identity Document and Vehicle Data – The Success Story of DYCOM and the Deployment of MOBILE SCAN SDK





THE CHALLENGE

Efficient Mobile Data Capture With Minimal Effort

Identity documents and vehicle license plates are regularly checked in police operations, as well as in border controls or mobile inspections – often using different apps or devices, and with substantial manual effort. Importantly, the rapid and reliable capture of identity and vehicle data is essential for police and public order officers, authorities, and law enforcement agencies.

DYCOM AG, a leading software provider for Swiss police forces, was therefore searching for a more efficient solution to capture personal, identity document, and vehicle data. The goal was to offer Swiss police forces a powerful, secure, and intelligent application that was capable of handling as many different data and document formats as possible.

Specifically, the solution had to meet the following requirements:

- Fast and error-free capture of data from identity documents, 2D barcodes, and vehicle license plates
- Compliance with international security standards and EU data protection regulations (GDPR¹) through local data processing
- Seamless integration into an existing app solution with minimal adjustments and future extensibility
- Offline functionality for operational readiness in the field without internet connection or bandwidth constraints

After a comprehensive evaluation of several solutions and providers, DYCOM decided to deploy OVD Kinegram's MOBILE SCAN SDK.

¹"General Data Protection Regulation" – law governing the collection, processing, and protection of personal data of individuals within the European Union

*“Integrating the
MOBILE SCAN SDK
into our existing solution
was hassle-free and
completed in no time –
copy, paste, run!”*

Stefan Christen,
CEO of DYCOM AG



THE SOLUTION

Powerful and Secure – Intelligent Data Capture With the MOBILE SCAN SDK

After careful review, DYCOM placed their trust in OVD Kinegram's MOBILE SCAN SDK, as this solution offered decisive advantages:

- One-scan capture of all data
- Very easy integration into the existing app
- Outstanding performance as a reliable data capture solution
- Dependable support from OVD Kinegram as an experienced partner
- OVD Kinegram's expertise in identity and document security

The MOBILE SCAN SDK automatically, and within fractions of a second, recognizes identity documents, 2D barcodes, and vehicle license plates, and transfers the respective data directly to the main app. Supported data and document formats include:

→ MRZ data from identity documents

The SDK reads and processes Machine Readable Zones (MRZ) of passports and ID cards with highest precision and according to international standards such as ICAO-9303, ISO 18013, ISO 22376:2023. Additionally, it also reads Swiss driver's licenses.

→ Vehicle license plates

European car, truck, and motorbike license plates as per EU Regulation (EC) No 2411/98, as well as Swiss

and British license plates, are captured and processed in real time.

→ 2D Barcodes and VDS

The SDK supports PDF417, Visible Digital Seals (VDS), QR Codes, DataMatrix, and other 2D barcodes, meeting international security standards (ISO 18013, ISO 22376:2023).

The MOBILE SCAN SDK complies with data privacy regulations and operates very securely. Captured and processed data is exclusively returned to the main app only, without being stored. In addition, the solution works fully offline, making it ideal for mobile use and security-critical applications.

Operational Facts

- Used daily by 19.000 Swiss police officers
- iPhone native SDK for iOS
(also available for Android)

Languages

- SwiftUI
- Objective-C

Delivery

- GitHub Repository including sample projects and ReadMe
- One-year or multi-year license models

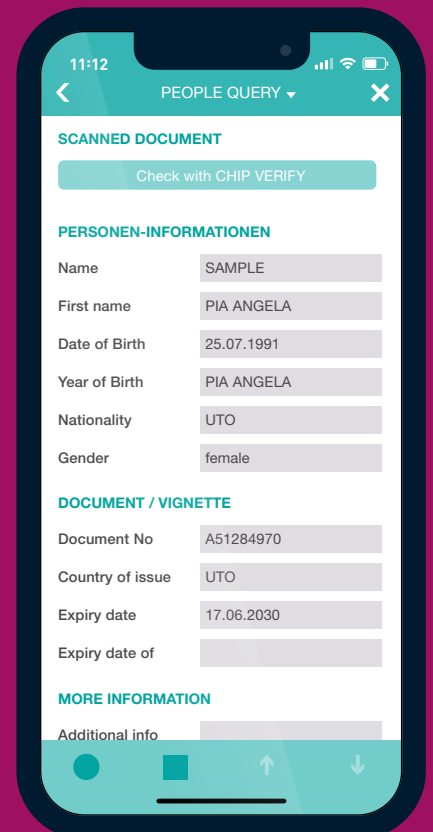
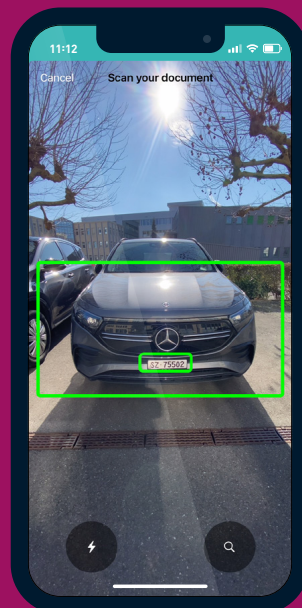
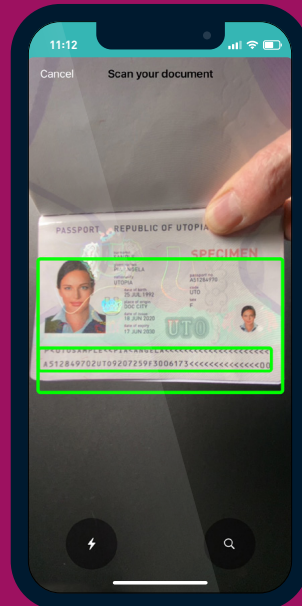
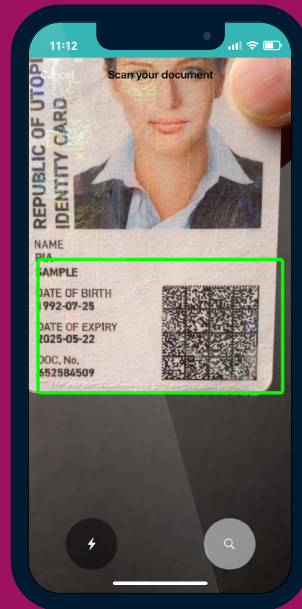


Illustration of the DYCOM app home screen with seamless integration of the MOBILE SCAN SDK.

The MOBILE SCAN SDK provides the captured data to DYCOM's main app, where they are displayed on the customized user interface.

MOBILE SCAN SDK sample screenshots: When the scanning function is activated, the smartphone camera automatically identifies the object to be scanned and instantly captures the corresponding data.



“The support from OVD Kinegram is excellent – from their deep technical expertise and swift, service-minded responses to any inquiry to the friendly and approachable attitude of our contacts.”

Stefan Christen,
CEO of DYCOM AG

THE RESULTS

Enhanced Efficiency, Accuracy, and Security in Policing

For Swiss police forces, the MOBILE SCAN SDK improves and simplifies the capture of various data, providing tangible benefits to the users in their daily tasks:

- ✓ **Professional data capture:** Rapid, automated scanning and displaying eliminates tedious manual data entry, allowing officers to concentrate on the person in front of them rather than on the data collection.
- ✓ **Accuracy and completeness** of the captured data. Mistaken or incomplete data entries are now a thing of the past.
- ✓ **Stable and secure performance:** The on-device functionality without server dependencies ensures reliable operation, enabling consistent performance across different operational environments and reliable data capture at any time.

- ✓ **Enhanced usability** through effortless integration. The solution integrates seamlessly with the existing main app, delivering a consistent, familiar user experience.
- ✓ **Data privacy compliance:** Captured and processed data is neither stored nor transmitted, but only returned to the main app. The solution adheres to strictest data protection standards, thus fostering security and trust.

DYCOM particularly benefited from their decision for the MOBILE SCAN SDK because of the seamless integration and immediate usability. The SDK could be implemented error-free and with minimal effort. Its market-oriented development and flexible architecture ensure easy accommodation of future requirements.

"The MOBILE SCAN SDK transforms the efficiency and security of identity data capture. We see strong potential for continuing and expanding its use, and confidently recommend OVD Kinegram as a trusted partner."

Stefan Christen,
CEO of DYCOM AG



THE OUTLOOK

Future-Proof Solutions for Data Capture and Identity Verification

DYCOM confirms strong interest in using the MOBILE SCAN SDK for further applications, particularly in the areas of digital identity checks, law enforcement, and governmental administration. Even in the face of growing regulatory demands and constantly evolving technologies, the MOBILE SCAN SDK remains an ideal solution due to its flexible architecture.

Stefan Gabriel, OVD Kinegram's Head of Digital Business, summarizes: "At OVD Kinegram, we prioritize trustworthy collaboration and pioneering security solutions. We are proud of our successful cooperation with DYCOM and look forward to developing further solutions for police forces, law enforcement agencies, and governmental organizations together."



Find out more about how the MOBILE SCAN SDK enables fast and comprehensive data capture. Contact us for a personalized consultation!

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Stefan Gabriel is the Head of Digital Solutions at OVD Kinegram AG. With over a decade of experience in designing, developing, and implementing IT systems and digital products, he drives the company's efforts in identifying and delivering cutting-edge solutions. His work focuses on enhancing secure digital identity

verification and ensuring reliable, user-friendly document authenticity checks. His passion lies in creating innovative, robust digital solutions that keep pace with the ever-evolving tech landscape. Stefan regularly shares his knowledge and expertise through presentations, workshops, and articles.

ABOUT OVD KINEGRAM



OVD Kinegram AG is the leading provider of physical and digital security solutions for identity documents and other governmentally issued tokens. The company's protected KINEGRAM technology is reputed worldwide as the most innovative counterfeit protection for identity documents. Customers from over 120 countries have been placing their trust in KINEGRAM security features for 40 years. Police forces, law enforcement and border control authorities rely on a range of digital solutions for the efficient authentication and verification of ID documents, universal capture of identity data, and other operational purposes. OVD Kinegram AG is a Swiss subsidiary of the German KURZ Group. Further information is available on:

www.kinegram.digital and www.kinegram.com.

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