

Technicalities of MOBILE SCAN SDK

The MOBILE SCAN SDK is a very flexible, robust and high-speed SDK solution designed to revolutionize the capture and processing of data. It supports an unparalleled selection of formats, including ID document MRZs, standard European car, truck and motorbike license plates and multiple 2D barcode types such as PDF417,

DataMatrix and Visible Digital Seal (VDS). The MOBILE SCAN SDK is designed to ensure a highly efficient and secure user experience. Easily integrated into existing applications and processes, it sets new standards for law enforcement and customer onboarding.

Core Features

Multi-Format Scanning Capabilities

- MRZs of passports, ID cards and driver's licenses in accordance with ICAO standard 9303
- Common format European car, truck and motorbike license plates in accordance with EU Council Regulation (EC) No 2411/98
- 2D barcode formats:

Linear product	Linear industrial	Matrix
UPC-A	Code 39	QR Code
UPC-E	Code 93	Micro QR Code
EAN-8	Code 128	rMQR Code
EAN-13	Codabar	Aztec
DataBar	DataBar Expanded	Data Matrix
	DX Film Edge	PDF417
	ITF	MaxiCode (partial)
		Visible Digital Seals

Fast, Offline Operation

Rapid, reliable data capture independent from online connectivity, ensuring uninterrupted functionality

Flexible and Scalable Integration

Easy integration into existing applications and processes, with the visualization being performed by the incorporating app and thus fully customizable

Data Output

Original data is video screened and read multiple times; when several attempts lead to the same result, the data is returned both as a string as well as broken down, i.e. with all details individually available

Platform Compatibility

Available for Android, iOS and iPadOS

Efficient in Use

Extensively tested, validated and successfully deployed by customers, for example Swiss police authorities, providing extremely stable functionality and superior quality

KINEGRAM is the world's most advanced security solution for the protection of government documents. More than 120 countries trust the innovative capacity of OVD Kinegram AG. Experience the capabilities of OVD Kinegram's MOBILE SCAN SDK in advanced identity verification and join us in our mission of protecting identities!

Contact us for a DEMO



Learn how the MOBILE SCAN SDK can leverage rapid and comprehensive data scanning

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Scan our business card!

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.



Rapid and Comprehensive Data Scanning with the MOBILE SCAN SDK

ID Documents | License Plates | Visible Digital Seals | 2D Barcodes

Contact

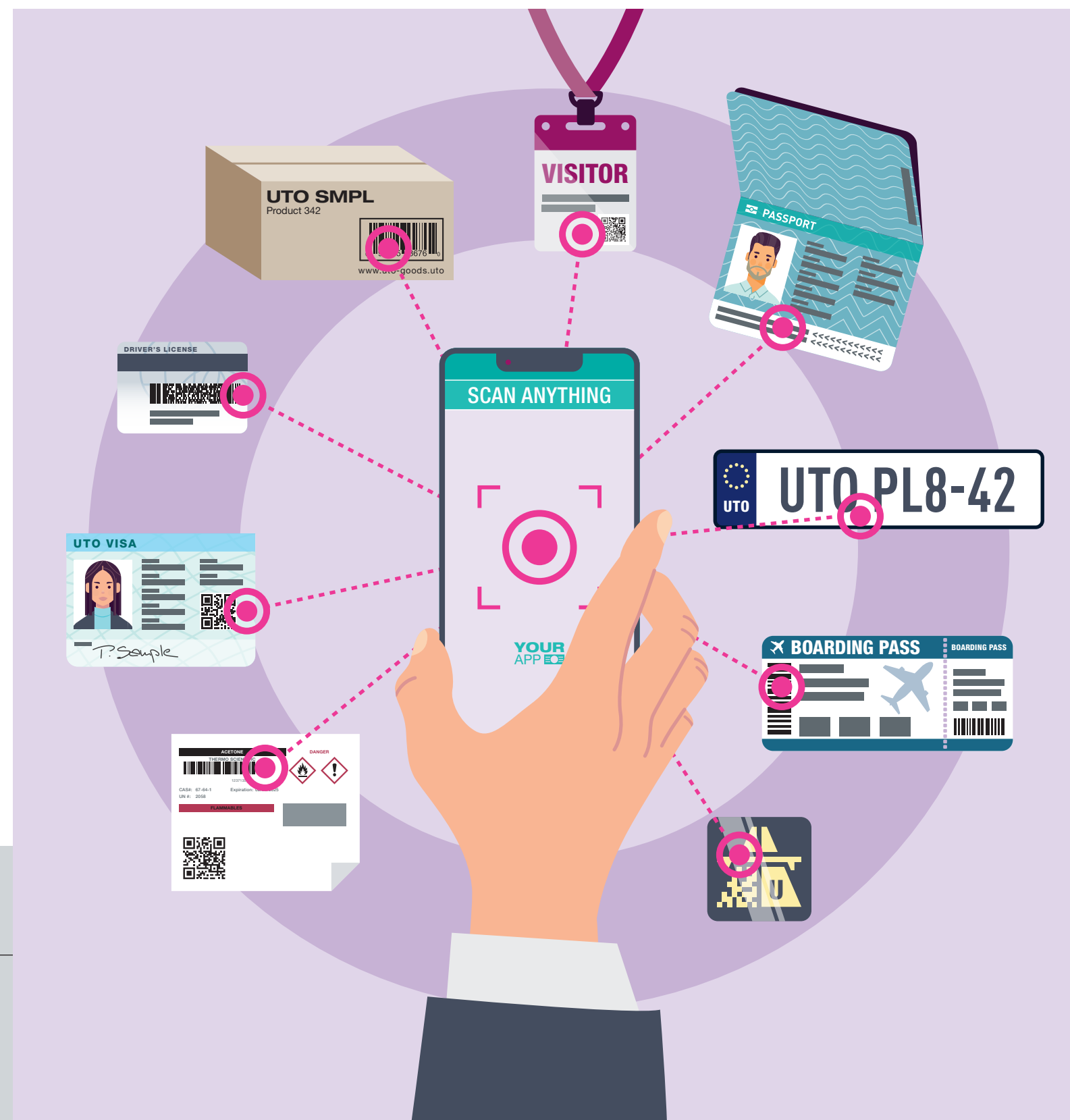
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The Definitive Scanning Solution for Efficient Law Enforcement and Seamless Customer and Traveler Onboarding

The unprecedented MOBILE SCAN SDK is a comprehensive and powerful tool that enables fast, accurate and automatic scanning of data. It supports machine-readable zone (MRZ) scanning for passports or ID cards, standard European car, truck and motorbike license plates and multiple 2D barcode types such as PDF417 and Visible Digital Seal (VDS). In addition, also digitally signed barcodes are supported and can be verified.

This complete solution, offered as a Software Development Kit (SDK), captures, processes and returns MRZ data from ID documents as well as data from 2D barcodes, license plates, Visible Digital Seals or other identifiers. It is fully compliant with ICAO 9303, ISO 18013 and ISO standard 22376:2023 for security and resilience during the scanning process, ensuring seamless and secure data acquisition, authentication and verification.

The MOBILE SCAN SDK ensures an extremely efficient, easy and secure user experience. It is easily integrated into existing applications and sets new standards for law enforcement as well as ID and document verification, for example during customer onboarding processes. The SDK runs on smartphones that do not require a network connection and is ideally suited for a variety of purposes, including as an add on solution for apps performing eMRTD chip verification.



Features and Advantages of the MOBILE SCAN SDK

The ability to scan an MRZ of a passport or ID card, car license plates or a broad range of 2D barcodes is a highly useful and efficient tool in law enforcement or customer onboarding scenarios. The powerful MOBILE SCAN SDK is an unprecedented solution that rapidly and securely scans and prepares data from a variety of sources.

Integrated into existing apps or processes, it forms the cornerstone of highly reliable identity checks or license plate verifications. It helps to create confidence in mobile ID verification scenarios, remote checks and on-the-spot document verification.



Built for the Field

The SDK solution is designed to work offline, making it fully reliable and flexible in any situation, ready for mobile and on-the-go use.



Fast and Efficient

Rapid recognition of scannable MRZs, license plates or barcodes, autonomous scanning and returning of the captured data. The SDK transmits the data directly into the main app for further use.



User Friendly

No manual setup or configuration are required. The solution enables greatly reduced wait times and boosted efficiency – no more manual data entry or spelling out information.



Flexible

The solution is adaptable to the individual needs at hand and can easily be integrated into existing apps and workflows. The adaptability makes it suitable even for smaller budgets.



Plug-and-Play Compatible

With no media breaks and everything accessible in a single SDK, the solution streamlines workflows and ensures fast and comprehensive data capture.



Compliant

Scanned and processed data are not stored or transmitted and only returned to the main app. The solution is fully compliant with strictest privacy regulations, ensuring security and confidentiality.

Addressing the Challenges in Verifying Identities, 2D Barcodes and License Plates



Verification Delays and Inconsistencies

In both law enforcement and customer onboarding scenarios, manually checking identities, documents or other identifiers is time-consuming and prone to human error. This delays processing times, whether for criminal investigations or onboarding new customers; or leads to errors and missing information which can hinder or entirely prevent the successful completion of processes.

Different Scanners for Different Formats

Organizations and law enforcement agencies are confronted with a host of different documents and codes, for example when checking foreign individuals or vehicles. The lack of a comprehensive, unified scanning solution requires institutions to deploy several different scanners or apps for verification. This causes various issues, ranging from inefficiency to increased operational costs and the potential for errors during document handling.

Scalability Issues and Resource Constraints

Both law enforcement agencies and private businesses often face resource constraints that make collecting and handling data challenging. As identity verification is crucial in both contexts, more and more documents and license plates must be managed, whereas traditional verification methods are less suitable to handle larger volumes of data in mobile situations and in real time.

Limited Compatibility and Integration Troubles

Basic scanning solutions may struggle with compatibility across different document types and barcode standards. They are often optimized for a narrow purpose, specific document or barcode type. Their ability to easily integrate into existing systems, apps and workflows remains a challenge for many of the more limited solutions.

The MOBILE SCAN SDK automates and streamlines the data capture process of ID documents' MRZs, Visible Digital Seals, 2D barcodes and license plates. It helps to secure an automated, streamlined identity verification process, enables the collection of reliable and complete

data in customer profiles, criminal records or traveler registries, and supports data handling in real-time. It addresses critical efficiency and security needs in law enforcement and customer onboarding.