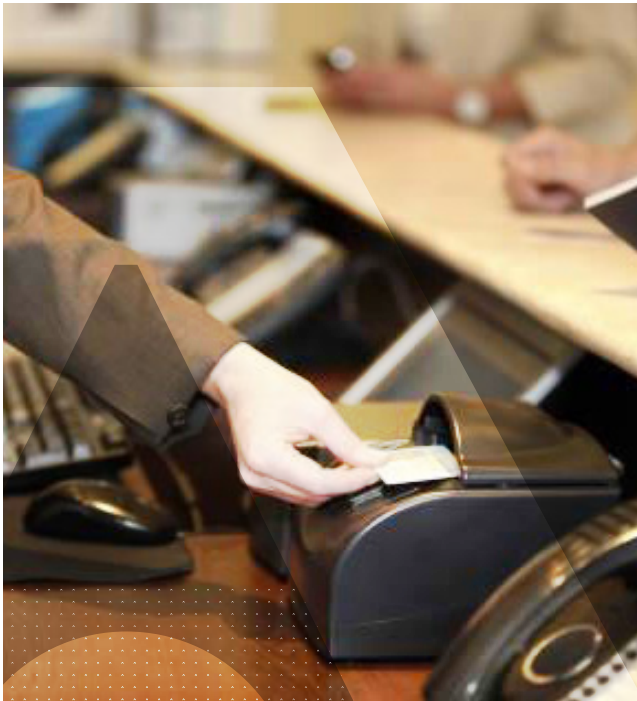


Thales Gemalto On-Premise Document Verification

Identity & Biometric Solutions



Product Use

Frontline staff need to quickly verify the true identity of customers and visitors without creating added friction; however, identity theft is a real concern. Novelty and counterfeit ID's are readily available off the internet. Most customer service staff do not have the training or expertise to identify suspect documents.

Thales Gemalto On-Premise Document Verification solution assists in preventing fraud, meeting regulatory requirements, and enhancing customer experience. The use of Thales' sophisticated border control hardware and software streamlines workflows to provide a fast and frictionless experience by extracting all biographic and biometric data contained in ID document, and authenticating the hidden security features.

The biographic and image data can be automatically loaded into customer management systems to prevent keying errors, and improve customer service.

Thales Gemalto Document Readers and software, commonly used in government border control points, is available for commercial implementation such as Banking, Hotels, Casinos, Transportation, Visitor Management, and Retail.

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KEY FEATURES & FUNCTIONALITY

- Automatically detects documents placed on the Document Reader
- Quickly capture images in Visible, Infrared and Ultraviolet light using 24-bit color and true-color image matching technology to provide vibrant accurate colors
- Anti-glare technology eliminates image artifacts due to reflective laminates or optical security features
- Reads ID cards and barcodes placed at any rotation on the glass and presents images correct way up based on features in document
- Optical Character Recognition, OCR, used to read printed text on the document and automatically send to your application
- Optional reading of contactless chip within ePassport and eID for extra security
- Performs verification checks against library reference of government issued IDs and passports from over 200 countries, which are continuously updated. Includes:
 - passports & ePassports,
 - identity cards of any type,
 - residence permits,
 - driving licenses,
 - Visas
- The verification checks include but not limited to:
 - Photo Replacement checks
 - Cross-reference checks to ensure VIZ-MRZ-RFID
 - Paper & substrate checks.
 - Visible & invisible Ink checks
 - Background pattern checks
 - Hidden Image checks
 - Optional ePassport/eID chip cryptographic checks
 - Matches printed photo to encoded electronic photo
 - Passive Authentication certificate chain
 - Logical data checks
 - Specimen document checks
- Meets industry privacy regulations including KYC, PII.
- Requires minimal training and maintenance
- Ability to deploy automatic updates
- Gemalto Document Readers have no moving parts and are sealed to prevent dust ingress

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Deployment Options

The solution can be installed on a local PC with a Gemalto Document Reader connected via USB to a local PC.

Direct network connection (Wi-Fi or Ethernet) to cloud based ID Verification is available as an option. The ID Verification service can be deployed internally or vendor hosted as a SaaS service.

Software Interface

Simple high level API for quick program development.

Flexible software interface allows host application to select which illumination sources to use, image type, image compression, photo extraction, reflection or ambient light elimination, color enhancement, ICAO security protocols, which data groups to read, barcode types, etc.

DV system can be used in external applications by integrating the SDK, which provides all the functionality present in the DV engine and makes it available for customized Document inspection processes. The SDK will then communicate with the hardware of the Document Reader to obtain all possible data and Identity Evidences from the Document, and will expose them to the external application. On top of that, an estimation of the authenticity of the Document is presented in detail to the operator of the system, allowing her to make a decision on whether the Document is valid or not.

SDK includes DLLs, code examples, utilities and demonstration programs are available for Microsoft Windows, Apple IOS, Mac OS, Android and Linux.

Illumination

Thales document readers can illuminate documents in multiple wavelengths:

- Near IR B900: 880nm, +/-5%
- White visible: 430-700nm
- Ultraviolet (UVA): 365nm

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Regulatory

- FCC Part 15 Class A
- UL, UL-C, ETL
- CE, CBEU WEEE, REACH & RoHS Directives

Environment

- Humidity: 20 to 95% (R.H. non-condensing)
- Temperature: -10° to 50° C operating; -20° to 50° C storage
- IP50 or better rating for dust ingress protection in the optical chamber

Minimum PC Specification mode

Gemalto Document Verification must be installed on a customer-supplied PC, some aspects of read speed may be affected by PC specification.

Minimum PC configuration:

- Windows 7 or higher version (32 or 64 bits)
- RAM 2 GB of free memory
- CPU: Intel Core i3-7300 or equivalent
- Storage including templates and OCR engine: 3 GB
- One available USB port

Recommended PC configuration:

- Windows 7 or higher version (32 or 64 bits)
- RAM: 4 GB of free memory
- CPU: Intel Core i5-7500 or equivalent
- Storage including templates and OCR engine: 4 GB
- One available USB port

Supported Document Readers

- Thales Gemalto Intelligent Document Reader AT10Ki
- Thales Gemalto Desktop Document Reader AT10K
- Thales Gemalto OEM Document Reader AT10K
- Thales Gemalto Desktop Document Reader AT9000 MK2
- Thales Gemalto OEM Document Reader KR9000
- Thales Gemalto Document Reader QS1000
- Thales Gemalto Double Sided ID Card Reader CR5400

This document is subject to change without notice.