

## Background

ZealiD ID Document API (also an integral part of the ZealiD TRA service) is designed to instantly scan and provide validation scores of more than 80 government-issued EU ID Documents (non-EU countries such as Switzerland also available). See [www.zealid.com/repository](http://www.zealid.com/repository) for coverage data. The technology used is proprietary with external suppliers on artificial intelligence. As a rule, ZealiD operates as a data processor in the ID Document API service. Where integrated into the ZealiD app, ZealiD is a data controller.

## Scanning

ZealiD provides either a hosted smartphone pictures taking version of the service (web or via ZealiD app) or as a pure API. ID Document machine analysis performs a set of sequential operations designed to achieve six purposes:

1. To assess what type of ID document a picture represents
2. To verify the ID document vs. model documents and produce a score
3. To read (optical character recognition, OCR) pre-printed ID document text and verify texts against templates
4. To read (OCR) the machine-readable zone (MRZ)
5. To read non structured data on the card
6. To compare and match ID data with other source data

## User Journey

The hosted version of the ID Document analysis will offer the user the following experience:

- 1 Open smartphone camera
- 2 Select type of government issued ID document
- 3 Take a picture of ID document front and back
- 4 Take a video according to instructions of ID document

## Data Output

The ID Document API, or integrated versions of it, will output a number of data points:

- Personal Name (s)
- Nationality
- Date and Place of Birth
- Account information data
- Selfie picture where applicable
- ID Document Validation Score (1-100%)
- OCR Text Validation Score (1-100%)
- Cross-matching of data Score (1-100%)
- Optional Manual Vetting Step of ID document Picture and Selfie Match
- Optional Manual Vetting Step of ID document Secure (Kinetic) elements