AUTOMATIC CAPTURE AND DETECTION OF THE DOCUMENT

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1. Automatic capture and detection of the document SDK

1.1. Mobile SDK's - iOS and Android

The automatic capture and detection of the document SDK is launched by the APP. This SDK will only launch the capture of the document if there is enough evidence of its validity so images different than valid documents will not be captured (landscapes, non-valid documents to the identification...). Consequently, the non-useful data traffic is reduced.

Furthermore, the automatic documental capture SDK has integrated a powerful guidance system to assist the user during the process. This system ensures positioning the document in the optimal way for its validation.

The image on the left represents a screen capture of the SDK indicating that the capturing device is too far from the document. The image on the right represents a good positioning of the capturing device so the application is asking the user to remain still.

Camera permissions are needed to use the framework.

1.1.1. Technical requirements

The minimum requirement are:

- iOS minimum operating system version: 9.0.
    - Flash camera and torch mode can be required for several functionalities.
    - SDK size: 6.1 MB.
    - Additionally, 33.5 MB of dependent Libraries are needed. This size is common to Selfie capture, Document capture and Video capture SDK's.

- Android: minimum operating system version: 14 (API Level: 4.0 Ice Cream Sandwich).
    - Supported platforms: 'x86', 'armeabi-v7a', 'arm64-v8a'.
    - Flash camera and torch mode can be required for several functionalities.
        - SDK size: 0.2 MB.
        - Additionally, 17.5 MB of dependent Libraries are needed. This size is common to Selfie capture, Document capture and Video capture SDK's.
    - Image captured is the biggest image which aspect ratio is similar to the screen aspect ratio with 8MP maximum. (~350KB-750KB).

1.2. HTML SDK

The automatic capture and detection of the document HTML SDK will only launch the capture of the document if there is enough evidence of its validity so images different than valid documents will not be captured (landscapes, non-valid documents to the identification...). Consequently, the non-useful data traffic is reduced.

Furthermore, the automatic documental capture HTML SDK has integrated a powerful guidance system to assist the user during the process. This system ensures positioning the document in the optimal way for its validation.

This SDK retrieves the following information:

- Document obverse (front side) image.
- Document reverse (back side) image.

The SDK tries to capture the document images taking into account the device which is working on.

- The rear camera is used on mobile devices (smartphones, tablets...)
- The front camera is used on computers (desktops, laptops...)

The following permission is required by the framework to work:

- Camera and micro.

The sequence and images below represent the process that the user will follow in the automatic an assisted process developed by Veridas:

1. Select the country and the document type
2. Adjust the front side of the document to the green frame until the automatic capture is completed
3. Front side capture illustration
4. Adjust the back side of the document to the green frame until the automatic capture is completed
5. Back side capture illustration

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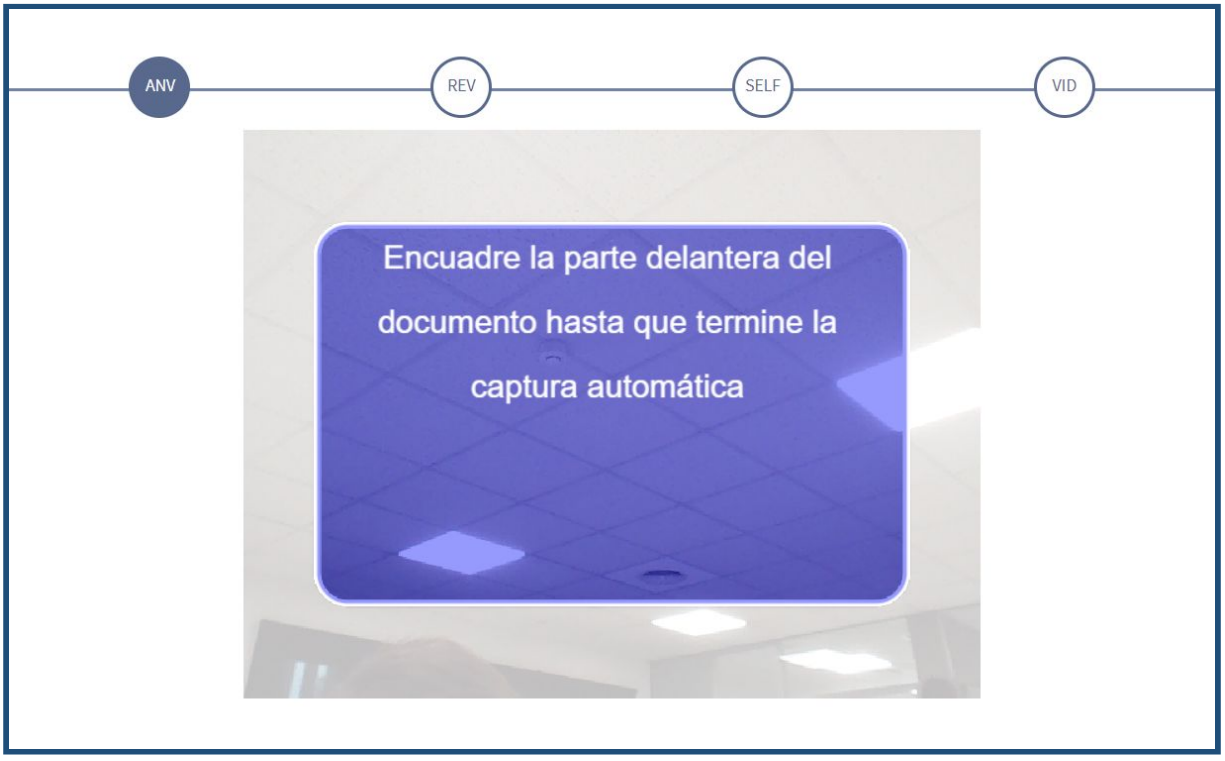
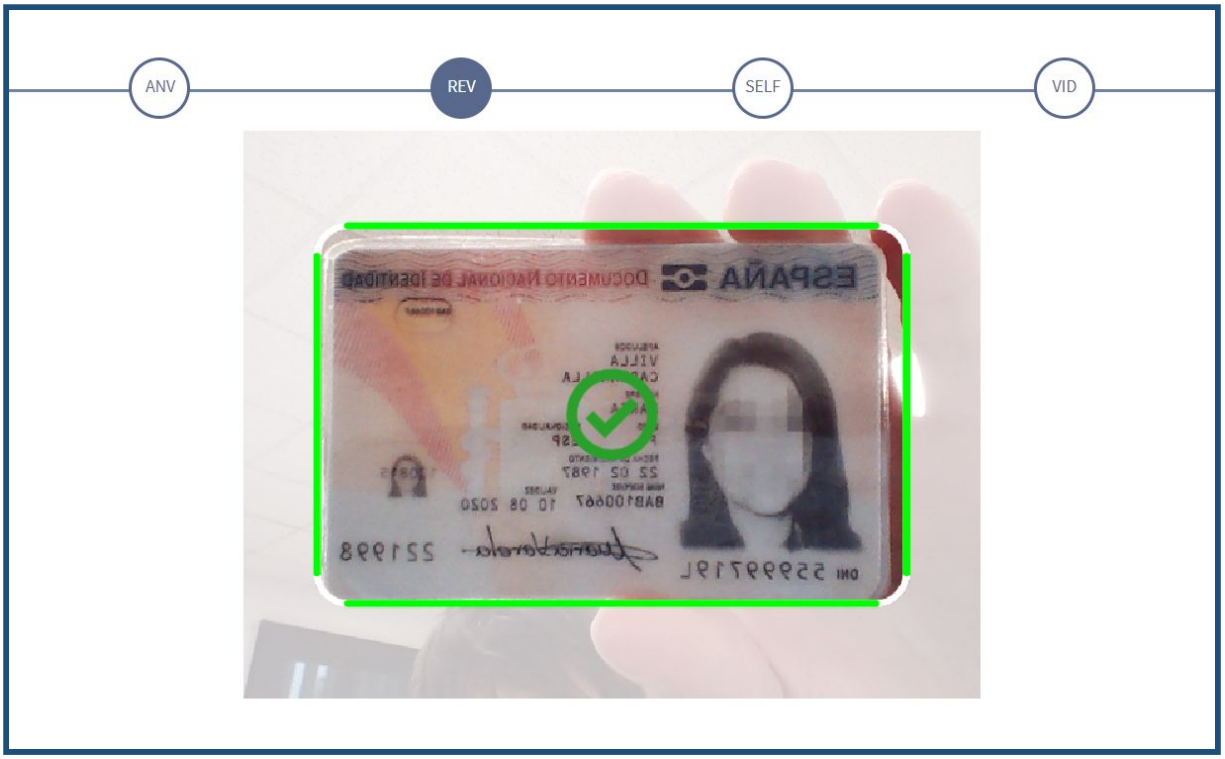
Por favor seleccione un país y un documento en los siguientes desplegables
España
DNI30
ESPAÑA
DOCUMENTO NACIONAL DE IDENTIDAD
ESPECIMEN
ESPAÑOLA
ESPAÑOLA
CARMEN
ESP
01 01 1980
BAA000589 01 01 2025
987654
99999999R
Continuar
PASAPORTE

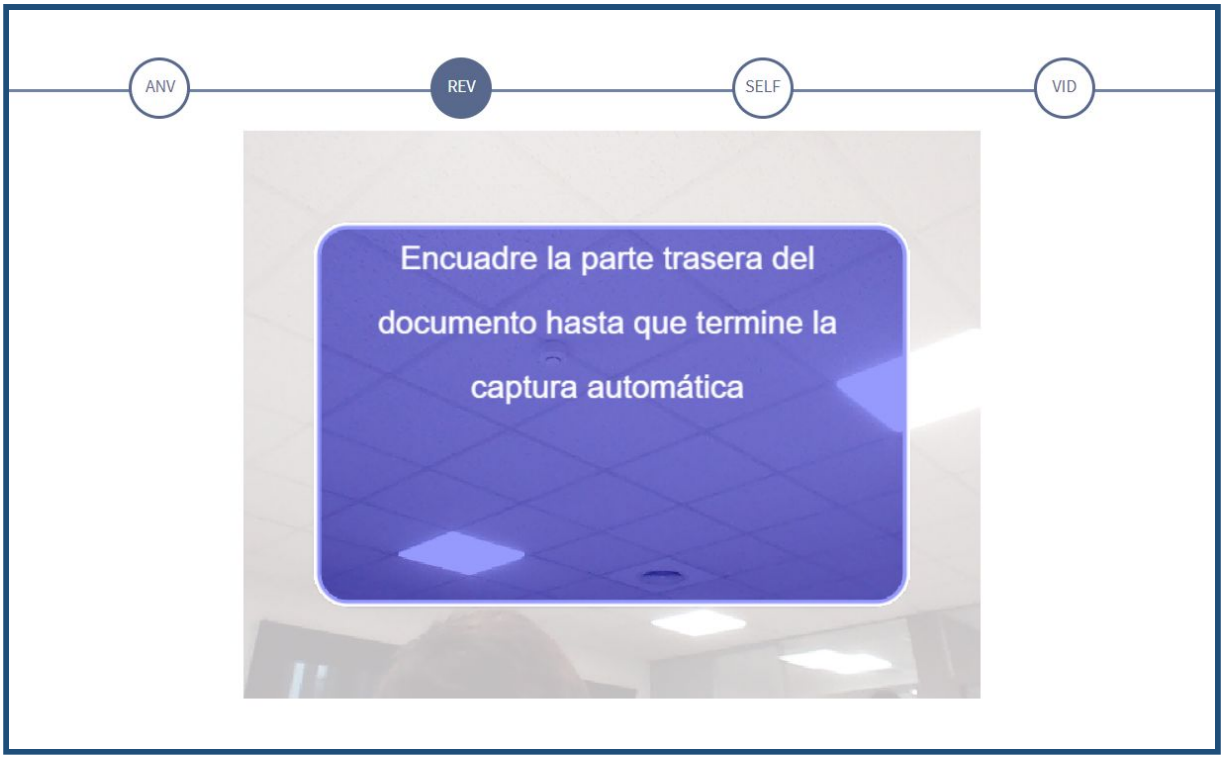
2


ANV
REV
SELF
VID
Encuadre la parte delantera del documento hasta que termine la captura automática

3


ANV
REV
SELF
VID

4


ANV
REV
SELF
VID
Encuadre la parte trasera del documento hasta que termine la captura automática

5

ANV REV SELF VID

1.2.1. Specifications

The SDK has been designed to maximize compatibility and performance across a broad spectrum of devices and browsers.

Desktop devices			Mobile devices		
Browser Name	Minimum Version	Current Version[1]	Browser Name	Minimum Version	Current Version[1]
Chrome	53	66	Chrome for Android	-	66
Firefox	36	60	Firefox for Android	-	60
Opera	40	53	Opera Mobile	12.2	37
Safari	11	11.1	iOS Safari	11.2	11.3
Vivaldi	-	1.15	Samsung Internet	5	6.2

The minimum version available depends on the device's platform. Due to the diversity of Android devices is difficult to determine a minimum available version.

The recognized documents by the SDK have the TD1 format. Accordingly to the ISO/IEC 7810 these documents have the following size (85.6 × 54.0 mm).