

iOS GlobalIQ SDK (v1.0.2) User Guide

Installation

CocoaPods

1. Specify the SDK name and local path in the podfile:

```
pod 'AAIGlobalIQ', :path => '/your-local-path-to/AAIGlobalIQSDK/'
```

2. Install the dependencies in your project:

```
pod install
```

3. Add camera、motion usage description in Info.plist as bellow. Ignore this step if you have added those.

```
<key>NSCameraUsageDescription</key>  
<string>Use the camera to detect the card</string>
```

4. Refer to demo project to see how to use the SDK.

Manually

1. Add `AAIGlobalIQSDK.xcframework` to your project and set embed as "Embed & Sign".
2. Choose "TARGETS -> General" add the following system libraries and frameworks in the `Frameworks, Libraries, and Embedded Content` section:
 - `libc++.tbd`
 - `AVFoundation.framework`
 - `CoreGraphics.framework`
 - `MediaPlayer.framework`
 - `SystemConfiguration.framework`
3. Add camera usage description in `Info.plist` as bellow. Ignore this step if you have added those.

```
<key>NSCameraUsageDescription</key>  
<string>Use the camera to detect the card</string>
```

4. Import SDK and initialize with `regin` and `cardType` and `cardSide`:

```

@import AAIGlobalIQASDK;

AAIGlobalIQAConfig *config = [AAIGlobalIQAConfig initWithRegion:@"ID"
cardType:AAIIQACardTypeIDCard cardSide:AAIIQACardSideFront];
config.delegate = self;
[AAIGlobalIQASDK initWithConfig:config];

```

5. Configure SDK license and show SDK page:

```

NSString *result = [AAIGlobalIQASDK setLicenseAndCheck:@"your-license-content"];
if ([result isEqualToString:@"SUCCESS"]) {
    [AAIGlobalIQASDK startWithRootVC:self];
} else {
    NSLog(@"%@", result);
}

```

6. Get detection results.

```

- (void)iqaOnDetectionComplete:(AAIGlobalIQAResult *)result
{
    if (result.success) {
        UIImage *cardImg = result.cardImg;
        NSString *idvid = result.IDVID;
        NSString *transactionId = result.transactionId;

        if (result.ocrResult) {
            NSDictionary *ocrResult = result.ocrResult;
        }

        if (result.idForgeryResult) {
            NSDictionary *idForgeryResult = result.idForgeryResult;
        }
    } else {
        NSString *errorCode = result.errorCode;
        if (result.errorMsg) {
            NSString *errorMsg = result.errorMsg;
        }

        if (result.transactionId) {
            NSString *transactionId = result.transactionId;
        }
    }
}

```

Run demo project

1. Navigate to the directory of `AAIGlobalIQASDKObjCDemo` or `AAIGlobalIQASDKSwiftDemo` project and install the dependencies:

```
pod install
```

2. Open xcworkspace file in Xcode.
3. Specify your license, and configure `region` and `cardType` and `cardSide`:
4. Run.

Customizable UI

1. UI Cutomization.

Currently, the SDK only supports limited UI customization:

```
AAIGlobalIQAConfig *config = [AAIGlobalIQAConfig initWithRegion:@"ID"
cardType:AAIIQACardTypeIDCard cardSide:AAIIQACardSideFront];
// e.g.
config.uiConfig.flipCameraBtnVisible = NO;
config.uiConfig.lightBtnVisible = NO;
config.uiConfig.navBarTitleTextColor = UIColor.redColor;
config.uiConfig.navBarBackgroundColor = UIColor.whiteColor;
config.uiConfig.statusBarStyle = UIStatusBarStyleDefault;
config.uiConfig.tipIconVisible = NO;
config.uiConfig.pageBackgroundColor = UIColor.redColor;
config.uiConfig.viewfinderColor = UIColor.greenColor;
config.uiConfig.primaryTextColor = UIColor.yellowColor;
config.uiConfig.toolButtonThemeColor = UIColor.blueColor;
config.uiConfig.orientation = AAIIQAOrientationPortrait;
config.detectionTimeoutInterval = 20;
config.returnEmptyOfOCR = NO;

/* imageName list:
  advance_iqa_scan: An image to show the scan animation.
  advance_iqa_tip_capture: The icon in the countdown pop-up view after the scan
times out.
  iqa_back: Icon of navigation bar back button.
  iqa_land_confirm: Confirm button icon in landscape take photo mode.
  iqa_land_retake: Retake button icon in landscape take photo mode.
  iqa_light_off: Icon of flashlight off button.
  iqa_light_on: Icon of flashlight on button.
  iqa_scan_processing: The icon displayed at the bottom of the vertical screen
(local string key is: "hold_phone").
  iqa_scan_successfully: The icon displayed at the bottom of the vertical screen
(local string key is: "iqa_scan_successfully").
```

```

    iqa_scan_warning: The icon displayed at the bottom of the vertical screen (local
string key is: "iqa_card_poor_quality").
    iqa_take_photo_tip: The tip icon displayed at the bottom of the viewfinder view
(local string key is: "iqa_take_photo_tips").
    iqa_take_photo: Icon of take photo button.
    iqa_transform_camera: Icon of switch camera button.
*/
config.uiConfig.loadImage = ^UIImage * _Nonnull(NSString * _Nonnull imgName,
UIImage * _Nonnull img) {
    if ([imgName isEqualToString:@"iqa_scan_successfully"]) {
        return [UIImage imageNamed:@"ok"];
    }
    return img;
};

```

2. Resources File Customization.

Currently, this SDK supports English (en), Simplified Chinese (zh-Hans), Indonesian (id).

The SDK will use the corresponding resource file according to the current language of the device. If this device language is not in the above languages, the SDK will use English by default.

If you want to support only a fixed language, You can delete other irrelevant `.lproj` folders of `AAIIQALanguageString.bundle` and keep only the `.lproj` folder you need.

The resource files corresponding to these languages are in the following bundles:

Name	Description	Customizable description
AAIIQALanguageString	Muti-language bundle	Can be modified directly
AAIIQAAudio.bundle	Audio bundle	Use your audio file to replace it. NOTE: the audio file name cannot be changed

3. Error code list.

Name	Description
USER_GIVE_UP	User tapped the back button
DEVICE_NOT_SUPPORT	This device is not supported
CAMERA_PERMISSION_DENIED	Permission to access the camera is not authorized
NETWORK_REQUEST_FAILED	Network request failed
CAMERA_OPEN_FAILED	Failed to open camera
MODEL_ERROR	Load model failed
Other error code	See document

Release Logs

v1.0.1 (2022.2.17)

1. Support customize icon and navigationbar background color.

v1.0.2 (2022.3.18)

1. Minor update.