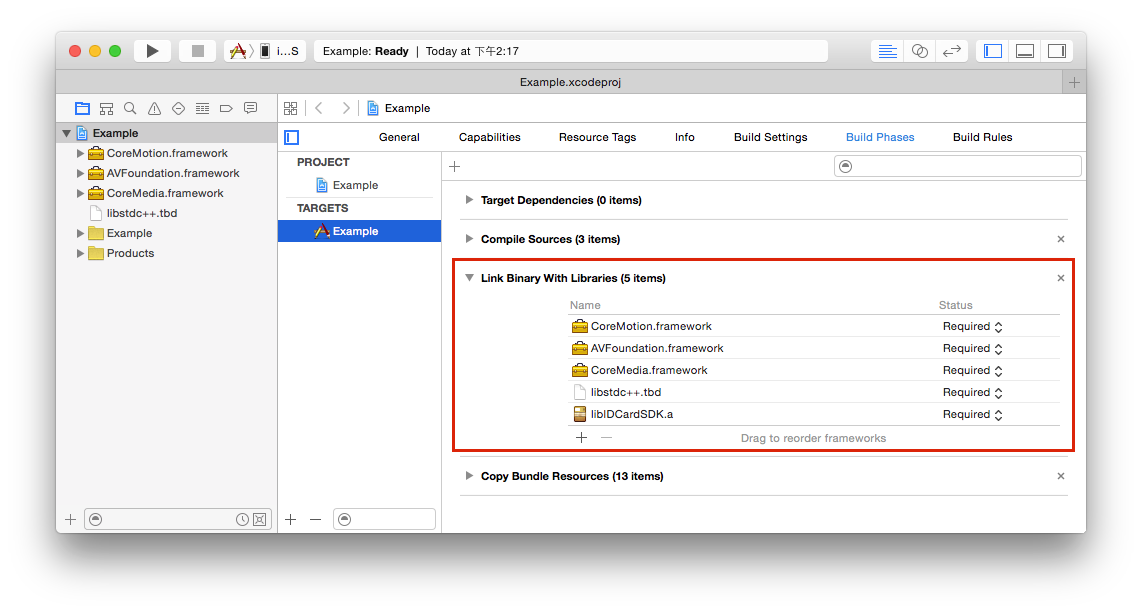
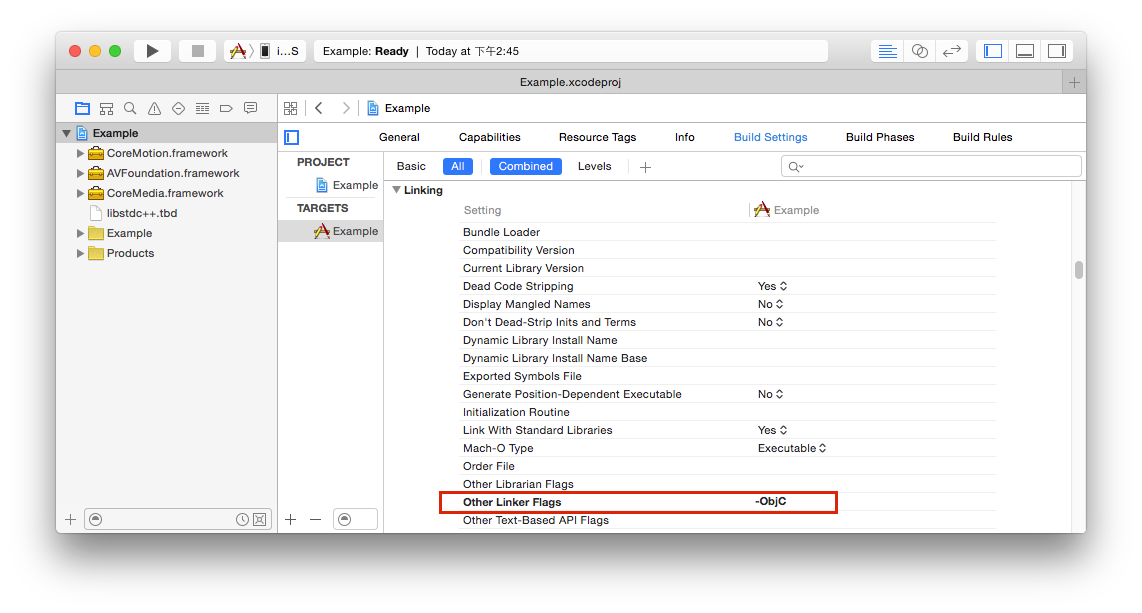
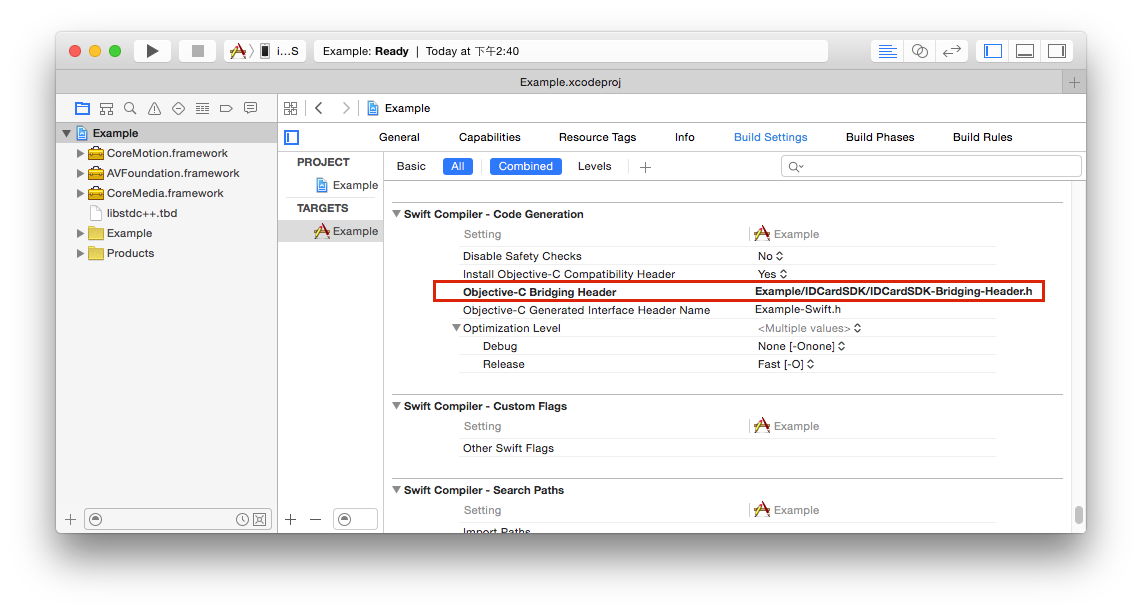
**iOS IDCardSDK**

**Xcode project settings**

1. Add all files in “IDCardSDK” folder to your project.
2. Besides libIDCardSDK.a, you also need following libraries/frameworks:  
     
   libstdc++.tbd  
   CoreMedia.framework  
   CoreMotion.framework  
   AVFoundation.framework  
     
   (You can add them in xcodeproj -> target -> Build Phases -> Link Binary with Libraries)  
   
3. **Add "-ObjC" in xcodeproj -> Build Settings -> Linking -> Other Linker Flags**
4. **If you are using swift project, add IDCardSDK-Bridging-Header.h path in xcodeproj -> Build Settings -> Swift Compiler - Code Generation -> ObjectiveC Bridging Header**
5. **You can replace any image in the IDCardSDK, but do not rename it !**

**API Reference**

-presentCaptureInterfaceFromViewController:targetLineColor:toolbarBGColor:didCaptureImage:didClickCancel:

-dismissCaptureInterface

-recognizeImageWithPath:signature:resultData:

-presentCaptureInterfaceFromViewController:targetLineColor:toolbarBGColor:didCaptureImage:didClickCancel:

Present capture interface

**Declaration**

- (void)presentCaptureInterfaceFromViewController:(UIViewController \*)viewController

didCaptureImage:(void (^)(NSString \*))didCaptureImage

didClickCancel:(void (^)(void))didClickCancel;

**Parameters**

|  |  |
| --- | --- |
| *viewController* | The view controller to show the capture interface. |
| *targetLineColor* | UIColor of target line |
| *toolbarBGColor* | UIColor of toolbar background color |
| *didCaptureImage* | A block object to be executed when image was captured. This block has no return value and takes a single string argument that indicates image store file path. |
| *didClickCancel* | A block object to be executed when the cancel button is clicked. This block takes no parameters and has no return value. |

**Discussion**

You need call - dismissCaptureInterface to close the capture interface.

-dismissCaptureInterface

Dismiss capture interface

**Declaration**

- (void)dismissCaptureInterface;

**Discussion**

Call it to close the capture interface.

-recognizeImageWithPath:signature:resultData:

Recognize IDCard image file

**Declaration**

- (NSInteger)recognizeImageWithPath:(NSString \*)imagePath signature:(NSString \*)signature resultData:(NSData \*\*)resultData;

**Parameters**

|  |  |
| --- | --- |
| *imagePath* | The IDCard image file path. |
| *signature* | SDK singature string. |
| *resultData* | Recognition result data. |

**Return Value**

|  |  |
| --- | --- |
| *0, 180* | *Recognition success, return value is rotation degree.* |
| *-1* | *Recognition failed, memory error.* |
| *-4* | *Recognition failed, general error.* |
| *-100* | *Recognition failed, invalidate parameter.* |

**Discussion**

*resultData* are combination of following blocks:

|  |  |  |
| --- | --- | --- |
| Field type 2 bytes | Data length 2 bytes | 16-bit UTF-16 code unit  \* bytes |

Field types are listed below:

|  |  |  |
| --- | --- | --- |
| **Value( *type* )** | **Definition** | **Content** |
| 5051 | ID\_IDCARD\_NAME | 姓名(之內容) |
| 6005 | ID\_IDCARD\_BIRTHDAY | 出生年月日 |
| 6004 | ID\_IDCARD\_SEX | 性別 |
| 6011 | ID\_IDCARD\_ISSUEDATE | 發證日期 |
| 6010 | ID\_IDCARD\_IDNO | 統一編號 |
| 6001 | ID\_IDCARD\_FATHER | 父 |
| 6002 | ID\_IDCARD\_MOTHER | 母 |
| 6007 | ID\_IDCARD\_PARTNER | 配偶 |
| 6008 | ID\_IDCARD\_MILITARY | 役別 |
| 6009 | ID\_IDCARD\_BIRTHPLACE | 出生地 |
| 5054 | ID\_IDCARD\_ADDRESS | 住址 |
| 6012 | ID\_IDCARD\_SN | 背面序號 |

**Kernel Specification**

**Recognition characters set**

13060 Traditional Chinese characters,

94 ASCII alphabet.

**RAM Size**

Input 1440x880 24bit Bitmap = 3.8MB

Addition run time memory space = 1.5MB