YiCameraSDK 文档说明-Android

1.简介

该 SDK 主要包括以下功能：

1. 绑定设备
2. 设备列表
3. 设备报警列表
4. 视频直播
5. 设备设置
6. 设备云存

2.集成依赖库

复制 yicamerasdk.aar 到您项目工程中 libs 目录下，在 build.gradle 中添加以下依赖库：

```
implementation fileTree (include: ['* .jar', '*. aar'], dir: 'libs')
implementation "androidx.cardview:cardview:1.0.0"
implementation 'com.google.android.material:material:1.0.0'
implementation 'androidx.multidex:multidex:2.0.1'
implementation 'com.squareup.retrofit2:retrofit:2.5.0'
implementation 'com.squareup.retrofit2:adapter-rxjava2:2.5.0'
implementation 'com.squareup.retrofit2:converter-gson:2.4.0'
implementation 'com.squareup.okhttp3:logging-interceptor:3.12.0'
implementation 'com.google.code.gson:gson:2.8.5'
implementation 'com.google.zxing:core:3.3.0'
implementation "androidx.core:core-ktx:+"
implementation "org.jetbrains.kotlin:kotlin-stdlib-jdk7:$kotlin_version"

implementation 'androidx.multidex:multidex:2.0.1'
api 'com.squareup.retrofit2:retrofit:2.5.0'
api 'com.squareup.retrofit2:adapter-rxjava2:2.5.0'
api 'com.squareup.retrofit2:converter-gson:2.4.0'
implementation 'io.reactivex.rxjava2:rxjava:2.2.8'
implementation 'io.reactivex.rxjava2:rxandroid:2.1.1'
implementation 'com.squareup.okhttp3:okhttp:3.12.0'
implementation 'com.iheartradio.m3u8:open-m3u8:0.2.4'
```

```
implementation 'androidx.appcompat:appcompat:1.1.0'
implementation 'androidx.recyclerview:recyclerview:1.1.0'
implementation "androidx.cardview:cardview:1.0.0"

implementation 'com.google.dagger:dagger:2.24'

implementation 'androidx.paging:paging-rxjava2-ktx:2.1.0'
implementation 'androidx.paging:paging-common-ktx:2.1.0'
implementation 'androidx.paging:paging-runtime-ktx:2.1.0'
implementation 'com.squareup.okhttp3:logging-interceptor:3.12.0'

implementation 'com.uber.autodispose:autodispose-android:1.1.0'
implementation 'com.uber.autodispose:autodispose-ktx:1.1.0'
implementation 'com.uber.autodispose:autodispose-android-ktx:1.1.0'
implementation 'com.uber.autodispose:autodispose-android-archcomponents-
ktx:1.1.0'

implementation 'androidx.room:room-runtime:2.1.0-alpha06'
implementation 'androidx.room:room-ktx:2.1.0-alpha06'
annotationProcessor 'androidx.room:room-compiler:2.1.0-alpha06'
kapt 'androidx.room:room-compiler:2.1.0-alpha06'
implementation 'androidx.room:room-rxjava2:2.1.0-alpha06'
implementation 'androidx.room:room-testing:2.1.0-alpha06'
implementation 'androidx.lifecycle:lifecycle-viewmodel:2.0.0'
implementation 'androidx.lifecycle:lifecycle-extensions:2.0.0'

implementation 'com.github.bumptech.glide:glide:4.9.0'
kapt 'com.github.bumptech.glide:compiler:4.9.0'
implementation 'com.alibaba:arouter-api:1.5.0'
kapt 'com.alibaba:arouter-compiler:1.2.2'
```

3. 集成 YiCameraSdk 步骤简介

首先，必须先设置 appid 和用户信息，用户信息包括 openid, usertoken，用户信息可从小蚁获取。 然后，可以按集成 Activity 或 Fragment 方式集成相关界面。

4. 初始化 YiCameraSdk

```
// 初始化 YiCameraSDK
YiCameraSdk.init(getApplication(),appid);
// 设置用户信息
YiCameraSdk.setUserInfo(openid,token);
```

监听 setUserInfo 结果:
1.YiCameraSdk.setOnUserVerifyListener(this);
2.Make your activity implements YiCameraSdk.OnUserVerifyListener
3.Add the following method:
@Override
public void OnUserVerifyResult(boolean result,int code) {//result: true 成功,
false 失败
    //执行相关操作
}

5. 以 Activity 方式集成

打开设备绑定界面

YiCameraSdk.openBindChoiceModeActivity(Context context);

打开设备报警列表界面

YiCameraSdk.openNewAlertActivity(Context context);

打开设备列表界面

YiCameraSdk.openDeviceListActivity(Context context);

打开直播视频界面

YiCameraSdk.openCameraPlayerActivity(uid, new YiCameraSdk.YICallback()
{ //uid：设备唯一 id，从设备列表中获取
    @Override
    public void onResult(int code, String result) {

    }
});

打开设备设置界面

YiCameraSdk.openCameraSettingActivity(uid, new YiCameraSdk.YICallback()
{ //uid：设备唯一 id，从设备列表中获取
    @Override
    public void onResult(int code, String result) {

    }

```
});
```

```
YiCameraSdk.openCloudVideoActivity(Context context);
```

监听 upgrade 按钮点击事件:
```
1.YiCameraSdk.setOnUpgradeClickedListener(this);
2.Make your activity implements YiCameraSdk.OnUpgradeClickedListener
3.Add the following method:
@Override
public void onUpgradeClicked(String deviceId, String orderCode, int
currentStatus) {
    //执行相关操作
}
```

6. 以 Fragment 方式集成

```
OpenChoiceModeFragment fragment = new OpenChoiceModeFragment();
FragmentTransaction ft = getSupportFragmentManager().beginTransaction();
ft.add(containerId, fragment);
ft.commitAllowingStateLoss();
```

```
NewAlertFragment fragment = new NewAlertFragment();
FragmentTransaction ft = getSupportFragmentManager().beginTransaction();
ft.add(containerId, fragment);
ft.commitAllowingStateLoss();
```

```
DeviceListFragment deviceListFragment = new DeviceListFragment();
FragmentTransaction ft = getSupportFragmentManager().beginTransaction();
ft.add(containerId, deviceListFragment);
ft.commitAllowingStateLoss();
```

```
StartCameraPlayerFragment fragment =
StartCameraPlayerFragment.newInstance(uid, new YiCameraSdk.YICallback()
{ //uid is the uniqe id of device
```

```java
        @Override
        public void onResult(int code, String result) {

        }
});
FragmentTransaction ft = getSupportFragmentManager().beginTransaction();
ft.add(containerId, fragment);
ft.commitAllowingStateLoss();
```

```java
CameraSettingFragment fragment = CameraSettingFragment.newInstance(uid);
//uid is the uniqe id of device
FragmentTransaction ft = getSupportFragmentManager().beginTransaction();
ft.add(containerId, fragment);
ft.commitAllowingStateLoss();
```

```java
CloudVideoFragment cloudVideoFragment = new CloudVideoFragment();
FragmentTransaction ft = getSupportFragmentManager().beginTransaction();
ft.add(containerId, cloudVideoFragment);
ft.commitAllowingStateLoss();
```

监听 upgrade 按钮点击事件:
1.YiCameraSdk.setOnUpgradeClickedListener(this);
2.Make your activity implements YiCameraSdk.OnUpgradeClickedListener
3.Add the following method:
```java
@Override
public void onUpgradeClicked(String deviceId, String orderCode, int currentStatus) {
    //执行相关操作
}
```

1.YiCameraSdk.setOnFragmentBackBtnListener(this);
2.Make your activity implements YiCameraSdk.OnFragmentBackBtnListener
3.Add the following method:
```java
@Override
public void OnFragmentBackBtn(int type) {
        /**
        * type:
```

```
    *       YiCameraSdk.BIND_FRAGMENT:   绑定界面返回按钮点击
    *       YiCameraSdk.CAMERA_PLAY_FRAGMENT:   视频直播界面返回按钮点击
    *       YiCameraSdk.CAMERA_SETTINGS_FRAGMENT:   设备设置界面返回按钮点
击
    *       YiCameraSdk.CAMERA_SETTINGS_FRAGMENT_DELETE:   设备设置界面"删
除"按钮点击
    */

    //执行相关操作
}
```

```
// 获取摄像机列表
getDeviceList().observeOn(AndroidSchedulers.mainThread()).subscribe(new
Consumer<List<DeviceInfo>>() {
    @Override
    public void accept(List<DeviceInfo> deviceInfos) throws Exception {
        //Return device list data
    }, new Consumer<Throwable>() {
    @Override
    public void accept(Throwable throwable) throws Exception {
        //Return Error
    }
});

// 获取 4G 设备 iccid
YiCameraSdk.get4gInfoWithUid(String uid, new YiCameraSdk.Callback() {
    @Override
    public void onResult(boolean result, String iccid) {

    }
});
```

更新记录	平台	类型	状态	版本	发布日期
初始发布版本	Android SDK			V1.2.0_20201208	2020/12/08