ARGO AUX CAMERA ACCESS API

This document provides information about DigiOS SDK API used for accessing the aux tracking (Global Shutter) camera and a sample code.

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ABOUT

The purpose of this document is to provide API information and the sample code for accessing the aux/tracking camera and the sample code for DigiLens ARGO.

CONTENTS

DIGIOS SDK API

This API from DigiOS SDK allows ARGO glasses to control behavior of the auxiliary camera. Using this API any application can enable access to two or both auxiliary cameras.

After Enabling AuxCamera Access Camera Manager will list 3 cameras to specific application which have requested access.

API USAGE

Below is sample code for reference

```
import com.digilens.digi_os_sdk.DigiOS_SDK;

int mode = DigiOS_SDK.ARGO_AUX_CAMERA_BOTH_ALLOW_ACCESS;
String package= "com.digilens.digios.sdk.test"
/*
Where Modes can be
1. DigiOS_SDK.ARGO_AUX_CAMERA_ACCESS_DENIED
2. DigiOS_SDK.ARGO_AUX_CAMERA_LEFT_ALLOW_ACCESS
3. DigiOS_SDK.ARGO_AUX_CAMERA_RIGHT_ALLOW_ACCESS
4. DigiOS_SDK.ARGO_AUX_CAMERA_BOTH_ALLOW_ACCES
*/
digios = new DigiOS_SDK();
digios.allowAuxCameraAccess(getApplicationContext(), mode , package);

// Code for Camera List request
```

ANDROID MANIFEST CHANGES

API need the calling application below permissions.

```
  <uses-permission android:name="android.permission.CAMERA" />
  <uses-permission android:name="android.permission.INTERACT_ACROSS_USERS" />
```

SAMPLE CODE

Sample code which shows aux camera access can be found here: AnuroopJesu/AuxCameraSample: This Sample application shows how the DigiOS SDK can be used to stream Aux/Tracking Camera

SDK can be downloaded from:
https://github.com/AnuroopJesu/AuxCameraSample/blob/main/app/libs/Digi-Os-Sdk-release.aar

NOTES

1. API can be called any number of times at runtime

2. API must be called before requesting Camera List from Camera Service

3. ARGO can stream only 2 camera feeds using ISP post processing.

4. All three cameras can be streamed provided one/two cameras are working in RDI mode.