Android Camera Developer Guide

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Android Camera Developer Guide
Note: The following guide is for the older, deprecated Camera API. For new or advanced camera applications, the newer android.hardware.camera2 API is recommended. The general steps for creating a custom camera interface for your application are as follows: Detect and Access Camera - Create code to check for the existence of cameras and request access.

Camera API | Android Developers
There are several basic use cases: Preview: get an image on the display Image analysis: access a buffer seamlessly for use in your algorithms, such as to pass into MLKit Image capture: save high-quality images

CameraX overview | Android Developers
BaseColumns; CalendarContract.AttendeesColumns; CalendarContract.CalendarAlertsColumns; CalendarContract.CalendarCacheColumns; CalendarContract.CalendarColumns

Camera | Android Developers
Welcome to the Android developer guides. These documents teach you how to build Android apps using APIs in the Android framework and other libraries. If you're brand new to Android and want to jump into code, start with the Build Your First App tutorial.

Developer Guides | Android Developers
Run AR apps in Android Emulator; Camera configs; Buffering multiple camera frames; Sharing camera access with ARCore; Displaying 3D models in AR from Android apps or browsers; Depth API. Overview; ... Depth API developer guide for Android NDK. Learn how to use the Depth API in your own apps.

Depth API developer guide for Android NDK | ARCore ...
The Android Open Source Project (AOSP) provides three software-based motion sensors: a gravity sensor, a linear acceleration sensor, and a rotation vector sensor. These sensors were updated in Android 4.0 and now use a device's gyroscope (in addition to other sensors) to improve stability and performance.

Motion sensors | Android Developers
To limit distribution of your app in the Google Play Store to devices that support the Depth API, add the following line to your AndroidManifest.xml, in addition to the AndroidManifest.xml changes described in the Enable ARCore guide: <uses-feature android:name="com.google.ar.core.depth" /> Check if Depth API is supported

Depth API developer guide for Android | ARCore | Google ...
Android creates a work profile and installs a copy of Test DPC in the work profile. You use this work-badged instance of Test DPC to set policies and managed configurations in the work profile. To learn more about setting up a work profile for development, read the developer's guide Work profiles. Provision a fully managed device

Developer guide | Android Developers
<uses-feature android:name="com.google.ar.core.depth" /> Check if Depth API is supported. Create a new session and check whether a user's device supports the Depth API. var occlusionManager = // Typically acquired from the Camera game object. // Check whether the user's device supports the Depth API.

Depth API developer guide for AR Foundation for Android ...
For example, many sensors were introduced in Android 1.5 (API Level 3), but some were not implemented and were not available for use until Android 2.3 (API Level 9). Likewise, several sensors were introduced in Android 2.3 (API Level 9) and Android 4.0 (API Level 14). Two sensors have been deprecated and replaced by newer, better sensors.

Sensors Overview | Android Developers
This developer guide walks you through the steps of enabling your app to switch seamlessly between exclusive control of the camera via the Android Camera2 API and sharing camera access with ARCore....

Shared camera access with ARCore | Google Developers
The camera app that comes installed on your phone is probably pretty good, but that doesn't mean it can't be improved. Android has a wide variety of 3rd-party camera apps that can help you ...

Best Android Camera App - xda-developers
Using Augmented Faces in Android. Configure the ARCore session; Get access to the detected face; Configure the ARCore session. Initialize the session with FRONT_CAMERA. Note that selecting the front camera will cause a number of changes in ARCore behavior. session = new Session(this, EnumSet.of(Session.Feature.FRONT_CAMERA)) Enable ...

Augmented Faces developer guide for Android | ARCore
Use the Android Emulator to test AR scenarios without a physical device. The Android Emulator lets you run ARCore apps in a virtual environment with an emulated device that you control. Warning: The Android Emulator does not support ARCore APIs for Depth, Augmented Faces, or Augmented Images. When any of these features are enabled, the camera preview image does not render correctly: the GPU ...

Run AR Apps in Android Emulator | ARCore | Google Developers
In the Android settings tab, configure the following settings: Build and run the sample app Enable developer options and USB debugging on your device. Connect your device to your development...

Quickstart for Android | ARCore | Google Developers
2.3. Camera Management. The Moverio headset is equipped with a camera that captures images in front of the user. You can use the Moverio SDK to acquire camera image data, capture still and video images, and so on. You can use camera image data not only for normal image capturing but also for functions such as marker recognition.

Developing Android Apps - Developer's Guide - BT-35E ...
Multi-camera support: With Android 9, developers can now create immersive experiences using streams from two or more physical cameras, such as

on devices with either dual-front or dual-back cameras. Examples include depth, bokeh, stereo vision, and more. External camera support: Android 9 now supports external USB / UVC cameras on certain devices.

Android 9 Pie
Building on last year's runaway success: The Complete Android Developer Course (Udemy's best-ever-selling Android course, with over 50,000 happy students), The Complete Android N Developer Course has been refined, honed and microscopically polished to deliver even more valuable content, all designed for the latest Android 7.

The Complete Android N Developer Course | Udemy
Camera. The native camera APIs perform fine-grained photo capture and processing. Unlike the Java camera2 API, the native camera API does not support deprecated camera HAL 1.0 implementations (that is, the available camera list in the native camera API won't list camera devices that have the LEGACY hardware level). Available since API level 24.