

'Camera is being used after Camera.release' crash in camera monkey test

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Infeasible Bug P4 + Add Hotlist

STATUS UPDATE No update yet. Edit

DESCRIPTION an...@nxp.com created issue #1

Apr 19, 2023 05:59PM

we used the Camera2 API, the code is in "imx\_android-13.0/packages/apps/Camera2"

CAMERA APPLICATION NAME AND VERSION: (Camera 2.0.002)  
ANDROID OS BUILD NUMBER: (evk\_8mm-userdebug 13 TQ1A.230305.008.C1 261 dev-keys)  
DEVICE NAME: (NXP EVK\_8MM)

STEPS TO REPRODUCE:

- 1.flash android image and wait for the board ready
- 2.save the logcat in the background: logcat -f /data/8mm.txt &
- 3.do the monkey test with the command  
adb -s 34202209dab45cbf shell "while true;do monkey -p com.android.camera2 --pct-syskeys 0 -v 10000000;done"
- 4.you can check the logcat data to see if there is a crash and the crash is ' Camera is being used after Camera.release() was called'

OBSERVED RESULTS: there is a high probability of this crash

EXPECTED RESULTS: should no crash like this

REPRODUCIBILITY: (246 of 343, 72%) Tested many times, this crash has the highest probability of occurrence

ADDITIONAL INFORMATION: bugreport, and logcat when issue happened are all attached.

also google drive link: [https://drive.google.com/drive/folders/1\\_Z2ayHev5FxdAl6zTGXWTnZZrDQII5Mn](https://drive.google.com/drive/folders/1_Z2ayHev5FxdAl6zTGXWTnZZrDQII5Mn)

CODE FRAGMENTS (this will help us troubleshoot your issues):

dig the code, find that, the issue happened when start to record:

```
/packages/apps/Camera2/src/com/android/camera/VideoModule.java
private void initializeRecorder() {
    mMediaRecorder.setCamera(camera);
}

/frameworks/base/media/jni/android_media_MediaRecorder.cpp
static void android_media_MediaRecorder_setCamera(JNIEnv* env, jobject thiz, jobject camera)
{
    sp<Camera> c = get_native_camera(env, camera, NULL);
    if (c == NULL) {
        // get_native_camera will throw an exception in this case
        return;
    }
}

/frameworks/base/core/jni/android_hardware_Camera.cpp
sp<Camera> get_native_camera(JNIEnv* env, jobject thiz, JNICameraContext** pContext)
{
    134 JNICameraContext* context = reinterpret_cast<JNICameraContext*>(env->GetLongField(thiz,
fields.context));
    135 if (context != NULL) {
    136     camera = context->getCamera();
    137 }
    138 ALOGV("get_native_camera: context=%p, camera=%p", context, camera.get());
    139 if (camera == 0) {
    140     jniThrowRuntimeException(env,
    141         "Camera is being used after Camera.release() was called");
    142 }
```

Did not see other exception information from logcat. When crash happened, the 'context' is null in get\_native\_camera, so the 'camera' is not get by the function: context->getCamera(); is the code logic has a problem? i made a patch here, which can avoid the crash, but i'm not sure is it reasonable?

```
if (context != NULL) {
    camera = context->getCamera();
+   if (camera == 0) {
+       jniThrowRuntimeException(env,
+           "Camera is being used after Camera.release() was called");
```

Reporter an...@nxp.com  
Type Bug  
Priority P4  
Severity S4  
Status Won't fix (Infeasible)  
Access Default access View  
Expanded Access  
Assignee ca...@google.com  
Verifier --  
Collaborators  
CC an...@nxp.com


AOSP ID --  
Estimate --  
InReview --  
Pending --  
Targeted To --  
TF Estimate --  
Found In --  
Targeted To --  
Verified In --  
In Prod

Show 1 additional field

```
+ }  
}  
- ALOGV("get_native_camera: context=%p, camera=%p", context, camera.get());  
- if (camera == 0) {  
-     jniThrowRuntimeException(env,  
-         "Camera is being used after Camera.release() was called");  
- }
```

please help to check and help to solve the crash.

 **8mm\_logcat\_0419.txt**  
2.3 MB [View](#) [Download](#)

 **bugreport-evk\_8mm-TQ2A.230305.008.C1-2023-04-19-12-33-27.zip**  
5.6 MB [Download](#)

#### COMMENTS

All comments ▼

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**er...@google.com** <er...@google.com> [#2](#)

Apr 20, 2023 01:21AM ⋮

*Status: Won't Fix (Infeasible)*

Hi there,

This component is for the CameraX API. Please file an issue in your partner issue tracker (please contact your technical account manager if you don't know where or how to do so).

We cannot move public issues into the partner issuetracker so please file another (I'll close this as it's not for CameraX).