 DESCRIPTION

ga...@gmail.com created issue [#1](#)

CAMERAX VERSION: 1.1.0-beta02

CAMERA APPLICATION NAME AND VERSION: GrapheneOS Camera, 13 <https://github.com/GrapheneOS/Camera/releases/tag/13>

ANDROID OS BUILD NUMBER: QKQ1.190910.002 V11.0.28.0.QDIMIXM

DEVICE NAME: Xiaomi Mi A2

DESCRIPTION: Camera app works fine but leads to crash when attempting to record video.

LIST ANY EXPERIMENTAL FEATURES: N/A

STEPS TO REPRODUCE:

1. Open GrapheneOS Camera

2. Press Video

3. Observe crash

OBSERVED RESULTS: Application closes

EXPECTED RESULTS: Application moves to video recording preview

REPRODUCIBILITY: 100%


ADDITIONAL INFORMATION: N/A

CODE FRAGMENTS: (this will help us troubleshoot your issues):
<https://github.com/GrapheneOS/Camera/blob/main/app/src/main/java/app/grapheneos/camera/ui/activities/MainActivity.kt>

LOGCAT:

https://drive.google.com/file/d/1J9nJNy7WJclW9JkTHvwrBBmbW98Mad2s/view?usp=drive_web (cameracrash.log)


✓ Links (7)

 Links (7)

"CAMERA APPLICATION NAME AND VERSION: GrapheneOS Camera, 13 <https://github.com/GrapheneOS/Camera/releases/tag/13>"
"<https://github.com/GrapheneOS/Camera/blob/main/app/src/main/java/app/grapheneos/camera/ui...>"
"https://drive.google.com/file/d/1J9nJNy7WJclW9JkTHvwrBBmbW98Mad2s/view?usp=drive_... (cameracrash.log)"
"https://drive.google.com/file/d/1IzWj-h76iCwP-TLL2p6rWhkx7f8XiKtt/view?usp=drive_web (cameracrashdebug.log)"
"...formation, only camera devices which its hardware level is LIMITED-level or above can support ImageCapture + Preview + VideoCapture. Please refer to the guaranteed configurations tables [⇄ here](#)"

See all related links

COMMENTS




ga...@gmail.com

<ga...@gmail.com> [#2](#)

Additional logcat with more debug information.


https://drive.google.com/file/d/1IzWj-h76iCwP-TLL2p6rWhkx7f8XiKtt/view?usp=drive_web (cameracrashdebug.log)



wu...@google.com

<wu...@google.com> [#3](#)

Thank you for the bug. We will look into the bug and update to you soon.



le...@google.com

<le...@google.com> [#4](#)

Hi,

Thanks for report. The link of cameracrashdebug.log. needs permission to access. Could you grant it or directly upload it to attachment?

ch...@google.com <ch...@google.com> [#5](#)

Reassigned to ga...@gmail.com.
Comment has been deleted.

Message last modified on Mar 8, 2022 12:32PM

ch...@google.com <ch...@google.com> [#6](#)

Providing more information, only camera devices which its hardware level is LIMITED-level or above can support ImageCapture + Preview + VideoCapture. Please refer to the guaranteed conf VideoCapture.

```
PRIV    PREVIEW PRIV    RECORD  JPEG    RECORD  High-resolution recording with video snapshot.
```

Apps may be able to try-catch or check the devices' hardware level to know whether a camera device can support ImageCapture + Preview + VideoCapture or not.

ch...@google.com <ch...@google.com> [#7](#)

Comment has been deleted.

Message last modified on Mar 8, 2022 12:33PM

ga...@gmail.com <ga...@gmail.com> [#8](#)

Hi,

Thanks for looking into this, since this issue was created we have since fixed the original bug. I will talk to the team regarding extensions and ensure that gets resolved.

sh...@gmail.com <sh...@gmail.com> [#9](#)

Hi,

I'm MHShetty, the primary contributor of the GrapheneOS camera app.

Our camera application doesn't actually use night sight extension for video mode. The application would fallback to using NONE (since we haven't explicitly defined any extension mode for it <https://github.com/GrapheneOS/Camera/blob/831a0af9fcdd2b92dfa3d69478516f14536f0acc/app/src/main/java/app/grapheneos/camera/CamConfig.kt#L1484>).

The DEFAULT_EXTENSION_MODE would be NONE (by default) as expected, as we haven't really added any fallback code to switch over to another vendor-specific extension.

The information given and references shared about checking the camera level to know whether the camera supports a given use-case combination were really helpful. We'll soon add some c

Thanks a lot for all the help and support!

Regards, Mohit

ch...@google.com <ch...@google.com> [#10](#)

Copied from original comment #5 and delete it to remove user information.

I checked the log file, it looks the issue is caused by binding ImageCapture + Preview + VideoCapture on a device which can't support to bind these three use cases at the same time.

```
03-05 03:02:05.764 13487 13487 E MessageQueue-JNI: java.lang.IllegalArgumentException: No supported surface combination is found for camera device - Id :
```

I check line#1253 in CamConfig.kt in your app's source code of tag 13, it was not protected by try-catch to remove ImageCapture when an IllegalArgumentException happened. But in mainlin by your side. Please take a look and confirm that. Thanks.

ch...@google.com <ch...@google.com> [#11](#)

Copied from original comment#7 and delete it to remove user information.

One more problem is found. Please refer to the following javadoc description of ExtensionsManager:

```
CameraX Extensions currently can only support ImageCapture and Preview. The VideoCapture can't be supported yet. If the app binds VideoCapture and enables
```

Your app looks always enabling NIGHT mode with VideoCapture if the camera device supports extension mode. It should always receive an IllegalArgumentException if the camera device su

ch...@google.com <ch...@google.com> [#12](#)

Status: Won't Fix (Intended Behavior)

This issue should be caused by that the device doesn't have capability to support VideoCapture+ImageCapture+Preview. This could be avoided by checking device's hardware level. I will upd