… >…elopment > Jetpack (androidx) > Camera > 156681800 > 156553196 > 182236423 ▾

PreviewView shows black sometime on few devices in case of Selfie (Front camera) and Video (Back camera)

+1 ¹   Hotlists (7)   Mark as Duplicate   🔔   ⋮

Comments (41)   Dependencies   Duplicates (0)   Blocking (0)   Resources (5)

Obsolete   Bug   P4   +

👥 **STATUS UPDATE** No update yet.   Edit

📄 **DESCRIPTION** be...@gmail.com created issue #1

Hi Team
Hope you are working great!

CAMERAX VERSION - 1.0.0-rc03

OS version:- 8.1.0
DEVICE NAME: vivo 1803 (OS- 8.1.0), Redmi Note 7 (OS- 10), Infinix X650C (OS- 9), Redmi 8 (OS- 9)
DESCRIPTION:

STEPS TO REPRODUCE:
1. Opening front camera or back camera for video (Photos with back camera working fine)

OBSERVED RESULTS: Some time Black Screen on previewView (10 out of 100)

EXPECTED RESULTS: camera should work with preview

No logs as this is happening at client phone

✓ Mentioned issues (1)   ✓ Links (2)

🐛 **Mentioned issues (1)**

P2   Camera should always attempt open on initial attempt, regardless of camera availability   " …e open a camera on the initial attempt, this may result in CameraX stealing the camera away from ot|

🔗 **Links (2)**

"https://android-review.googlesource.com/1717473"
"Hi benlsoft, This patch intents to record audio with 🔗ENCODING_PCM_16BIT because it's guaranteed to be supported by devices."

COMMENTS

sc...@google.com <sc...@google.com> #2

Hi behlsoft, Thanks for filing the bug.

Just for clarification, does your app bind VideoCapture use case at both front and back cameras ?
and if VideoCapture is removed from the bindToLifecycle, will the problem still occur ?

Please also be aware that VideoCapture is still hidden and not a public API because it is not well tested and API surface could change dramatically in the near feature. So we strongly don't su

Scott

be...@gmail.com <be...@gmail.com> #3

Hi Scott
Thanks for replying!

```
if (isImageCapture)
        imageCapture =
          ImageCapture.Builder()
              .setCaptureMode(ImageCapture.CAPTURE_MODE_MINIMIZE_LATENCY)
              .setTargetResolution(android.util.Size(1080, 1920))
              .build()
      else
        videoCapture = VideoCapture.Builder().apply {
            setTargetResolution(android.util.Size(720, 1280))
            setBitRate(8 * 720 * 720)
        }.build()

    .....
    ...
```

```
cameraInfo = if (!isImageCapture)
        cameraProvider.bindToLifecycle(
            this, cameraSelector, preview, videoCapture
        )
    else {

        cameraProvider.bindToLifecycle(
            this, cameraSelector, preview, imageCapture
        )
    }
```

videoCapture is only with back cameras.
Actually am not facing this issue on all devices (not on my testing devices). Clients are facing this issue but issue diminish when client restart his/her phone or clear all apps in background (
If its not recommended to use cameraX for video thn which camera will be well suited for making video (Android L and above)

sc...@google.com <sc...@google.com> #4

Understood, so there is likely a switch button that user can switch to image capture or video capture for the back camera. But for the front camera, it is only for image capture, correct?

And when the issue happened in Selfie mode ? Was it just after switching from back camera in video capture mode ?

What I try to understand is that whether the black preview issue occurs due to the video capture issues Or it just happens even without binding video capture.

be...@gmail.com <be...@gmail.com> #5

Actually what we have is- Firstly user captures photos from back camera (it can be 10-20 photos), next a video that also uses back camera and thn in last selfie (front camera). So at Activity
So i never heard any issue from any client regarding photos from back camera.. Black screens come either at Video or at selfie

sc...@google.com <sc...@google.com> #6

So it's like

activity 1 launches for taking 10-20 photos from back camera
-> and then launches activity 2 for record a video from back camera
-> and then launches activity 3 for taking pictures from front camera.

Is there any delay between each activity ?   say, user needs to press "next" button to go to the next activity.

Also, are you able to get any log at any chance ? It would be the quickest way to clarify the issue.

be...@gmail.com <be...@gmail.com> #7

yes so in my case i have one activity that handle this .. so
--- CaptureActivity launches with back camera to-> capture image->CaptureActivity finishes->ImagePreviewActivity shown... now if user accept or delete image, captureActivity opens again. I
--- and then CaptureActivity launches with Video back camera-> record video for 1:00 min -> CaptureActivity finishes -> shows Video in VideoPreviewActivity...
--- and then CaptureActivity launches with front camera for image and same.
yes we have 3 buttons to do the same ... flow is
 - Image Capture button
- Video Button
- Selfie Button
Sorry no logs ..
Feels like camera is occupied by some other application..
This is a bug that is resolved in - Camera Camera2, Core, & Lifecycle Version 1.1.0-alpha02
CameraX now tries to force open a camera on the initial attempt, this may result in CameraX stealing the camera away from other camera clients when its app has a higher priority. (Iab069, b

be...@gmail.com <be...@gmail.com> #8

This is coming in Emulator Pixel 2 API 22
No idea same thing is happening with clients or not

```
03-11 17:58:11.422 26732-26789/io.cameraapp I/CameraManagerGlobal: getCameraService: Reconnecting to camera service
03-11 17:58:11.437 26732-26789/io.cameraapp D/CameraRepository: Added camera: 0
03-11 17:58:11.440 26732-26732/io.cameraapp D/CaptureActivity: OBJECT IS VALID
03-11 17:58:11.445 26732-26789/io.cameraapp I/Camera2CameraInfo: Device Level: INFO_SUPPORTED_HARDWARE_LEVEL_LEGACY
03-11 17:58:11.446 26732-26789/io.cameraapp D/CameraRepository: Added camera: 1
03-11 17:58:11.446 26732-26789/io.cameraapp I/Camera2CameraInfo: Device Level: INFO_SUPPORTED_HARDWARE_LEVEL_LEGACY
03-11 17:58:11.449 26732-26789/io.cameraapp D/UseCaseAttachState: Active and attached use case: [] for camera: 1
03-11 17:58:11.449 26732-26791/io.cameraapp D/UseCaseAttachState: Active and attached use case: [] for camera: 0
03-11 17:58:11.464 26732-26761/io.cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834e80: ver 2 0 (tinfo 0xae839440)
03-11 17:58:11.466 26732-26761/io.cameraapp D/OpenGLRenderer: endAllStagingAnimators on 0xa2039280 (RippleDrawable) with handle 0xae839570
03-11 17:58:11.697 26732-26761/io.cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834e80: ver 2 0 (tinfo 0xae839440)
03-11 17:58:11.942 26732-26732/io.cameraapp E/RecyclerView: No adapter attached; skipping layout
03-11 17:58:11.950 26732-26732/io.cameraapp D/CameraOrientationUtil: getRelativeImageRotation: destRotationDegrees=0, sourceRotationDegrees=270, isOppositeFacing=true, result=270
03-11 17:58:11.950 26732-26732/io.cameraapp D/CameraOrientationUtil: getRelativeImageRotation: destRotationDegrees=0, sourceRotationDegrees=270, isOppositeFacing=true, result=270
03-11 17:58:11.951 26732-26732/io.cameraapp D/CameraOrientationUtil: getRelativeImageRotation: destRotationDegrees=0, sourceRotationDegrees=270, isOppositeFacing=true, result=270
03-11 17:58:11.951 26732-26732/io.cameraapp D/CameraOrientationUtil: getRelativeImageRotation: destRotationDegrees=0, sourceRotationDegrees=270, isOppositeFacing=true, result=270
03-11 17:58:11.952 26732-26732/io.cameraapp D/DeferrableSurface: Surface created[total_surfaces=1, used_surfaces=0](androidx.camera.core.SurfaceRequest$2@32aa6f07}
03-11 17:58:11.953 26732-26732/io.cameraapp D/CameraOrientationUtil: getRelativeImageRotation: destRotationDegrees=0, sourceRotationDegrees=270, isOppositeFacing=true, result=270
03-11 17:58:11.955 26732-26798/io.cameraapp I/OMXClient: Using client-side OMX mux.
03-11 17:58:11.956 26732-26798/io.cameraapp I/SoftAVCEncoder: Construct SoftAVCEncoder
03-11 17:58:11.958 26732-26801/io.cameraapp I/OMXClient: Using client-side OMX mux.
```

```
03-11 17:58:11.960 26732-26798/io.cameraapp I/OMXClient: Using client-side OMX mux.
03-11 17:58:11.960 26732-26798/io.cameraapp I/SoftAVCEncoder: Construct SoftAVCEncoder
03-11 17:58:11.961 26732-26798/io.cameraapp W/ACodec: do not know color format 0x7f000789 = 2130708361
03-11 17:58:11.961 26732-26798/io.cameraapp I/ACodec: setupVideoEncoder succeeded
03-11 17:58:11.961 26732-26798/io.cameraapp W/ACodec: do not know color format 0x7f000789 = 2130708361
03-11 17:58:11.963 26732-26732/io.cameraapp D/DeferrableSurface: Surface created[total_surfaces=2, used_surfaces=0](androidx.camera.core.impl.ImmediateSurface@32fbd65d}
03-11 17:58:11.964 26732-26801/io.cameraapp I/OMXClient: Using client-side OMX mux.
03-11 17:58:14.960 26732-26798/io.cameraapp W/ALooperRoster: failed to deliver message. Target handler not registered.
03-11 17:58:14.964 26732-26801/io.cameraapp W/ALooperRoster: failed to deliver message. Target handler not registered.


// 1 minute black screen

03-11 18:00:55.980 26732-26741/io.cameraapp I/art: Thread[5,tid=26741,WaitingInMainSignalCatcherLoop,Thread*=0xb4026c00,peer=0x12c000a0,"Signal Catcher"]: reacting to signal 3
03-11 18:00:56.032 26732-26741/io.cameraapp I/art: Wrote stack traces to '/data/anr/traces.txt'
03-11 18:00:57.403 26732-26732/io.cameraapp E/AudioRecord: Could not get audio input for record source 1, sample rate 8000, format 0x1, channel mask 0x10, session 129, flags 0
03-11 18:00:57.403 26732-26732/io.cameraapp E/AudioRecord-JNI: Error creating AudioRecord instance: initialization check failed with status -22.
03-11 18:00:57.403 26732-26732/io.cameraapp E/android.media.AudioRecord: Error code -20 when initializing native AudioRecord object.
03-11 18:00:57.403 26732-26732/io.cameraapp E/android.media.AudioRecord: getMinBufferSize(): Invalid audio format.
03-11 18:00:57.403 26732-26732/io.cameraapp E/AudioRecord: Format 0x2 is not supported
03-11 18:00:57.404 26732-26732/io.cameraapp E/AudioRecord-JNI: Error creating AudioRecord instance: initialization check failed with status -22.
03-11 18:00:57.404 26732-26732/io.cameraapp E/android.media.AudioRecord: Error code -20 when initializing native AudioRecord object.
03-11 18:00:57.404 26732-26732/io.cameraapp E/android.media.AudioRecord: getMinBufferSize(): Invalid audio format.
03-11 18:00:57.404 26732-26732/io.cameraapp E/VideoCapture: Exception, keep trying.
    java.lang.IllegalArgumentException: Unsupported sample encoding. Should be ENCODING_PCM_8BIT or ENCODING_PCM_16BIT.
        at android.media.AudioRecord.audioParamCheck(AudioRecord.java:404)
        at android.media.AudioRecord.<init>(AudioRecord.java:313)
        at android.media.AudioRecord.<init>(AudioRecord.java:226)
        at androidx.camera.core.VideoCapture.autoConfigAudioRecordSource(VideoCapture.java:930)
        at androidx.camera.core.VideoCapture.setupEncoder(VideoCapture.java:641)
        at androidx.camera.core.VideoCapture.onSuggestedResolutionUpdated(VideoCapture.java:330)
        at androidx.camera.core.UseCase.updateSuggestedResolution(UseCase.java:499)
        at androidx.camera.core.internal.CameraUseCaseAdapter.addUseCases(CameraUseCaseAdapter.java:208)
        at androidx.camera.lifecycle.LifecycleCamera.bind(LifecycleCamera.java:185)
        at androidx.camera.lifecycle.LifecycleCameraRepository.bindToLifecycleCamera(LifecycleCameraRepository.java:276)
        at androidx.camera.lifecycle.ProcessCameraProvider.bindToLifecycle(ProcessCameraProvider.java:423)
        at androidx.camera.lifecycle.ProcessCameraProvider.bindToLifecycle(ProcessCameraProvider.java:274)
        at io.rzcameraandroid.capture.CaptureActivity$startCamera$1.run(CaptureActivity.kt:352)
        at android.os.Handler.handleCallback(Handler.java:739)
        at android.os.Handler.dispatchMessage(Handler.java:95)
        at android.os.Looper.loop(Looper.java:135)
        at android.app.ActivityThread.main(ActivityThread.java:5254)
        at java.lang.reflect.Method.invoke(Native Method)
        at java.lang.reflect.Method.invoke(Method.java:372)
        at com.android.internal.os.ZygoteInit$MethodAndArgsCaller.run(ZygoteInit.java:903)
        at com.android.internal.os.ZygoteInit.main(ZygoteInit.java:698)
03-11 18:00:57.404 26732-26732/io.cameraapp E/VideoCapture: AudioRecord object cannot initialized correctly!
03-11 18:00:57.405 26732-26732/io.cameraapp D/Camera2CameraImpl: {Camera@37278933[id=0]} Use case Preview:androidx.camera.core.Preview-fb9fa34f-43a2-4a20-8181-730310b6e1(
03-11 18:00:57.405 26732-26791/io.cameraapp D/UseCaseAttachState: Active and attached use case: [] for camera: 0
03-11 18:00:57.405 26732-26791/io.cameraapp D/Camera2CameraImpl: {Camera@37278933[id=0]} Use case androidx.camera.core.VideoCapture@2b44b2b INACTIVE
03-11 18:00:57.405 26732-26791/io.cameraapp D/UseCaseAttachState: Active and attached use case: [] for camera: 0
03-11 18:00:57.406 26732-26791/io.cameraapp D/Camera2CameraImpl: {Camera@37278933[id=0]} Use cases [Preview:androidx.camera.core.Preview-fb9fa34f-43a2-4a20-8181-730310b6e
03-11 18:00:57.407 26732-26791/io.cameraapp D/UseCaseAttachState: All use case: [androidx.camera.core.Preview-fb9fa34f-43a2-4a20-8181-730310b6e10f447530874, androidx.camera.c
03-11 18:00:57.407 26732-26791/io.cameraapp D/UseCaseAttachState: Active and attached use case: [androidx.camera.core.Preview-fb9fa34f-43a2-4a20-8181-730310b6e10f447530874] f
03-11 18:00:57.407 26732-26791/io.cameraapp D/Camera2CameraImpl: {Camera@37278933[id=0]} Resetting Capture Session
03-11 18:00:57.407 26732-26791/io.cameraapp D/Camera2CameraImpl: {Camera@37278933[id=0]} Releasing session in state INITIALIZED
03-11 18:00:57.407 26732-26791/io.cameraapp D/CameraStateRegistry: tryOpenCamera(Camera@37278933[id=0]) [Available Cameras: 1, Already Open: false (Previous state: null)] --> SUCC
03-11 18:00:57.408 26732-26791/io.cameraapp D/CameraStateRegistry: Recalculating open cameras:
    Camera                      State
    --------------------------------------------------------
    Camera@37278933[id=0]           OPENING
    Camera@807e425[id=1]            UNKNOWN
    --------------------------------------------------------
    Open count: 1 (Max allowed: 1)
03-11 18:00:57.408 26732-26791/io.cameraapp D/Camera2CameraImpl: {Camera@37278933[id=0]} Transitioning camera internal state: INITIALIZED --> OPENING
03-11 18:00:57.408 26732-26791/io.cameraapp D/Camera2CameraImpl: {Camera@37278933[id=0]} Opening camera.
03-11 18:00:57.408 26732-26791/io.cameraapp D/UseCaseAttachState: All use case: [androidx.camera.core.Preview-fb9fa34f-43a2-4a20-8181-730310b6e10f447530874, androidx.camera.c
03-11 18:00:57.409 26732-26732/io.cameraapp I/Choreographer: Skipped 9927 frames!  The application may be doing too much work on its main thread.
03-11 18:00:57.410 26732-26732/io.cameraapp E/RecyclerView: No adapter attached; skipping layout
03-11 18:00:57.413 26732-26791/io.cameraapp I/CameraManager: Using legacy camera HAL.
03-11 18:00:57.438 26732-26791/io.cameraapp D/Camera2CameraImpl: {Camera@37278933[id=0]} Use case Preview:androidx.camera.core.Preview-fb9fa34f-43a2-4a20-8181-730310b6e1(
03-11 18:00:57.438 26732-26791/io.cameraapp D/UseCaseAttachState: Active and attached use case: [androidx.camera.core.Preview-fb9fa34f-43a2-4a20-8181-730310b6e10f447530874] f
03-11 18:00:57.438 26732-26791/io.cameraapp D/Camera2CameraImpl: {Camera@37278933[id=0]} Use case androidx.camera.core.VideoCapture@2b44b2b INACTIVE
03-11 18:00:57.438 26732-26791/io.cameraapp D/UseCaseAttachState: Active and attached use case: [androidx.camera.core.Preview-fb9fa34f-43a2-4a20-8181-730310b6e10f447530874] f
03-11 18:00:57.438 26732-26791/io.cameraapp D/UseCaseAttachState: Active and attached use case: [androidx.camera.core.Preview-fb9fa34f-43a2-4a20-8181-730310b6e10f447530874] f
03-11 18:00:57.438 26732-26789/io.cameraapp D/Camera2CameraImpl: {Camera@37278933[id=0]} CameraDevice.onOpened()
03-11 18:00:57.439 26732-26789/io.cameraapp D/Camera2CameraImpl: {Camera@37278933[id=0]} Transitioning camera internal state: OPENING --> OPENED
03-11 18:00:57.440 26732-26789/io.cameraapp D/CameraStateRegistry: Recalculating open cameras:
    Camera                      State
    --------------------------------------------------------
    Camera@37278933[id=0]           OPEN
    Camera@807e425[id=1]            UNKNOWN
    --------------------------------------------------------
    Open count: 1 (Max allowed: 1)
03-11 18:00:57.440 26732-26789/io.cameraapp D/UseCaseAttachState: All use case: [androidx.camera.core.Preview-fb9fa34f-43a2-4a20-8181-730310b6e10f447530874, androidx.camera.c
03-11 18:00:57.466 26732-26732/io.cameraapp D/PreviewView: Surface requested by Preview.
```

```
03-11 18:00:57.469 26732-26732/io.cameraapp D/TextureViewImpl: SurfaceTexture available. Size: 1280x720
03-11 18:00:57.469 26732-26732/io.cameraapp D/TextureViewImpl: Surface set on Preview.
03-11 18:00:57.469 26732-26791/io.cameraapp D/SyncCaptureSessionBase: [androidx.camera.camera2.internal.SynchronizedCaptureSessionImpl@319ebb0b] getSurface..done
03-11 18:00:57.469 26732-26791/io.cameraapp D/DeferrableSurface: New surface in use[total_surfaces=2, used_surfaces=1](androidx.camera.core.impl.ImmediateSurface@32fbd65d)
03-11 18:00:57.469 26732-26791/io.cameraapp D/DeferrableSurface: use count+1, useCount=1 androidx.camera.core.impl.ImmediateSurface@32fbd65d
03-11 18:00:57.469 26732-26791/io.cameraapp D/DeferrableSurface: New surface in use[total_surfaces=2, used_surfaces=2](androidx.camera.core.SurfaceRequest$2@32aa6f07)
03-11 18:00:57.469 26732-26791/io.cameraapp D/DeferrableSurface: use count+1, useCount=1 androidx.camera.core.SurfaceRequest$2@32aa6f07
03-11 18:00:57.469 26732-26791/io.cameraapp D/CaptureSession: Opening capture session.
03-11 18:00:57.470 26732-26732/io.cameraapp D/PreviewView: Preview transformation info updated. TransformationInfo{cropRect=Rect(0, 0 - 1280, 720), rotationDegrees=270, targetRotati
03-11 18:00:57.471 26732-26732/io.cameraapp D/PreviewTransform: Transformation info set: TransformationInfo{cropRect=Rect(0, 0 - 1280, 720), rotationDegrees=270, targetRotation=0} 1
03-11 18:00:57.473 26732-26791/io.cameraapp I/CameraDeviceState: Legacy camera service transitioning to state CONFIGURING
03-11 18:00:57.474 26732-26987/io.cameraapp I/RequestThread-0: Configure outputs: 2 surfaces configured.
03-11 18:00:57.474 26732-26732/io.cameraapp D/Camera: app passed NULL surface
03-11 18:00:57.485 26732-26988/io.cameraapp D/EGL_emulation: eglCreateContext: 0xaeb7d160: maj 2 min 0 rcv 2
03-11 18:00:57.613 26732-26988/io.cameraapp D/EGL_emulation: eglMakeCurrent: 0xaeb7d160: ver 2 0 (tinfo 0xae839cc0)
03-11 18:00:57.627 26732-26791/io.cameraapp I/CameraDeviceState: Legacy camera service transitioning to state IDLE
03-11 18:00:57.630 26732-26789/io.cameraapp D/SyncCaptureSessionImpl: [androidx.camera.camera2.internal.SynchronizedCaptureSessionImpl@319ebb0b] Session onConfigured()
03-11 18:00:57.630 26732-26789/io.cameraapp D/CaptureSession: Attempting to send capture request onConfigured
03-11 18:00:57.630 26732-26789/io.cameraapp D/CaptureSession: Issuing request for session.
03-11 18:00:57.633 26732-26789/io.cameraapp I/RequestQueue: Repeating capture request set.
03-11 18:00:57.634 26732-26789/io.cameraapp D/CaptureSession: CameraCaptureSession.onConfigured() mState=OPENED
03-11 18:00:57.634 26732-26789/io.cameraapp D/CaptureSession: CameraCaptureSession.onReady() OPENED
03-11 18:00:57.635 26732-26987/io.cameraapp W/LegacyRequestMapper: convertRequestMetadata - control.awbRegions setting is not supported, ignoring value
03-11 18:00:57.635 26732-26987/io.cameraapp W/LegacyRequestMapper: convertRequestToMetadata - Ignoring android.lens.focusDistance false, only 0.0f is supported
03-11 18:00:58.681 26732-26732/io.cameraapp I/Choreographer: Skipped 63 frames!  The application may be doing too much work on its main thread.
03-11 18:00:58.901 26732-26988/io.cameraapp I/CameraDeviceState: Legacy camera service transitioning to state CAPTURING
03-11 18:00:58.991 26732-26732/io.cameraapp E/RecyclerView: No adapter attached; skipping layout
03-11 18:00:59.500 26732-26732/io.cameraapp D/StreamStateObserver: Update Preview stream state to STREAMING
03-11 18:01:00.938 26732-26732/io.cameraapp E/RecyclerView: No adapter attached; skipping layout
03-11 18:01:01.364 26732-26732/io.cameraapp E/RecyclerView: No adapter attached; skipping layout
```

ho...@google.com <ho...@google.com> #9

There is a exception happened during VideoCapture setup audio encoder.

That could be the reason, let me check more detaile.

Thanks for these information.

```
E/VideoCapture: Exception, keep trying.
    java.lang.IllegalArgumentException: Unsupported sample encoding. Should be ENCODING_PCM_8BIT or ENCODING_PCM_16BIT.
```

be...@gmail.com <be...@gmail.com> #10

Hi Scott
any update on that?

Thanks

wu...@google.com <wu...@google.com>

Reassigned to sc...@google.com.

sc...@google.com <sc...@google.com> #11

Reassigned to ho...@google.com.

Yes, AL is working on fixing "java.lang.IllegalArgumentException: Unsupported sample encoding issue." and we will also try to reproduce the black screen issues on Redmi 8

ho...@google.com <ho...@google.com> #12

Hi behlsoft

Thanks for bring up

I am trying to reproduce the failure in the emulator case and I can reproduce it only once.

Please help me to confirm some conditions so I can have a way to ensure my solution is workable.

For the exception of the emulator "IllegalArgumentException: Unsupported sample encoding. Should be ENCODING_PCM_8BIT or ENCODING_PCM_16BIT".

1. Which image do you use to create the emulator? Is "x86" not "x86_64" ?
2. Do you turn on the virtual headset? Or other additional settings for microphone?

I have only Remi 8 in the lab, I did not encounter the black screen, if you have a log is good for tracing.

Thanks.

be...@gmail.com <be...@gmail.com> #13

I am using
Pixel 2 - API 22 - 1080 × 1920: 420dpi- 22- Android 5.1 (Google APIs)- x86

No additional settings
Strange am also not getting this issue now... but video encoding this time or everytime

1st case where am getting crash when am starting recording video:-
03-17 12:05:12.326 4037-4080/io..cameraapp I/CameraManagerGlobal: getCameraService: Reconnecting to camera service
03-17 12:05:12.350 4037-4080/io..cameraapp D/CameraRepository: Added camera: 0
03-17 12:05:12.365 4037-4080/io..cameraapp I/Camera2CameraInfo: Device Level: INFO_SUPPORTED_HARDWARE_LEVEL_LEGACY
03-17 12:05:12.366 4037-4080/io..cameraapp D/CameraRepository: Added camera: 1
03-17 12:05:12.366 4037-4080/io..cameraapp I/Camera2CameraInfo: Device Level: INFO_SUPPORTED_HARDWARE_LEVEL_LEGACY
03-17 12:05:12.369 4037-4080/io..cameraapp D/UseCaseAttachState: Active and attached use case: [] for camera: 1
03-17 12:05:12.370 4037-4087/io..cameraapp D/UseCaseAttachState: Active and attached use case: [] for camera: 0
03-17 12:05:12.387 4037-4061/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ca0: ver 2 0 (tinfo 0xae8393f0)
03-17 12:05:12.389 4037-4061/io..cameraapp D/OpenGLRenderer: endAllStagingAnimators on 0xb4198580 (RippleDrawable) with handle 0xae839610
03-17 12:05:12.414 4037-4061/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ca0: ver 2 0 (tinfo 0xae8393f0)
03-17 12:05:12.434 4037-4037/io..cameraapp E/RecyclerView: No adapter attached; skipping layout
03-17 12:05:12.447 4037-4037/io..cameraapp D/CameraOrientationUtil: getRelativeImageRotation: destRotationDegrees=0, sourceRotationDegrees=270, isOppositeFacing=true, result=270
03-17 12:05:12.447 4037-4037/io..cameraapp D/CameraOrientationUtil: getRelativeImageRotation: destRotationDegrees=0, sourceRotationDegrees=270, isOppositeFacing=true, result=270
03-17 12:05:12.447 4037-4037/io..cameraapp D/CameraOrientationUtil: getRelativeImageRotation: destRotationDegrees=0, sourceRotationDegrees=270, isOppositeFacing=true, result=270
03-17 12:05:12.447 4037-4037/io..cameraapp D/CameraOrientationUtil: getRelativeImageRotation: destRotationDegrees=0, sourceRotationDegrees=270, isOppositeFacing=true, result=270
03-17 12:05:12.450 4037-4037/io..cameraapp D/DeferrableSurface: Surface created[total_surfaces=1, used_surfaces=0](androidx.camera.core.SurfaceRequest$2@1927dd00)
03-17 12:05:12.451 4037-4037/io..cameraapp D/CameraOrientationUtil: getRelativeImageRotation: destRotationDegrees=0, sourceRotationDegrees=270, isOppositeFacing=true, result=270
03-17 12:05:12.454 4037-4093/io..cameraapp I/OMXClient: Using client-side OMX mux.
03-17 12:05:12.456 4037-4093/io..cameraapp I/SoftAVCEncoder: Construct SoftAVCEncoder
03-17 12:05:12.458 4037-4096/io..cameraapp I/OMXClient: Using client-side OMX mux.
03-17 12:05:12.463 4037-4093/io..cameraapp I/OMXClient: Using client-side OMX mux.
03-17 12:05:12.465 4037-4093/io..cameraapp I/SoftAVCEncoder: Construct SoftAVCEncoder
03-17 12:05:12.467 4037-4093/io..cameraapp W/ACodec: do not know color format 0x7f000789 = 2130708361
03-17 12:05:12.467 4037-4093/io..cameraapp I/ACodec: setupVideoEncoder succeeded
03-17 12:05:12.467 4037-4093/io..cameraapp W/ACodec: do not know color format 0x7f000789 = 2130708361
03-17 12:05:12.468 4037-4037/io..cameraapp D/DeferrableSurface: Surface created[total_surfaces=2, used_surfaces=0](androidx.camera.core.impl.ImmediateSurface@3a27bb7e}
03-17 12:05:12.470 4037-4096/io..cameraapp I/OMXClient: Using client-side OMX mux.
03-17 12:05:12.481 4037-4037/io..cameraapp I/VideoCapture: source: 1 audioSampleRate: 8000 channelConfig: 16 audioFormat: 2 bufferSize: 640
03-17 12:05:12.481 4037-4087/io..cameraapp D/Camera2CameraImpl: {Camera@3d4a577c[id=0]} Use case Preview:androidx.camera.core.Preview-e3f03b6d-d15a-46b1-b656-13f20db8c067
03-17 12:05:12.481 4037-4087/io..cameraapp D/UseCaseAttachState: Active and attached use case: [] for camera: 0
03-17 12:05:12.481 4037-4087/io..cameraapp D/Camera2CameraImpl: {Camera@3d4a577c[id=0]} Use case androidx.camera.core.VideoCapture@38f3e3e7 INACTIVE
03-17 12:05:12.481 4037-4087/io..cameraapp D/UseCaseAttachState: Active and attached use case: [] for camera: 0
03-17 12:05:12.482 4037-4087/io..cameraapp D/Camera2CameraImpl: {Camera@3d4a577c[id=0]} Use cases [Preview:androidx.camera.core.Preview-e3f03b6d-d15a-46b1-b656-13f20db8c0
03-17 12:05:12.482 4037-4087/io..cameraapp D/UseCaseAttachState: All use case: [androidx.camera.core.VideoCapture-17ba914d-6988-4208-a8df-5e23945aab93955507687, androidx.cam
03-17 12:05:12.482 4037-4087/io..cameraapp D/UseCaseAttachState: Active and attached use case: [androidx.camera.core.Preview-e3f03b6d-d15a-46b1-b656-13f20db8c067181706150] fo
03-17 12:05:12.482 4037-4087/io..cameraapp D/Camera2CameraImpl: {Camera@3d4a577c[id=0]} Resetting Capture Session
03-17 12:05:12.482 4037-4087/io..cameraapp D/Camera2CameraImpl: {Camera@3d4a577c[id=0]} Releasing session in state INITIALIZED
03-17 12:05:12.482 4037-4087/io..cameraapp D/CameraStateRegistry: tryOpenCamera(Camera@3d4a577c[id=0]) [Available Cameras: 1, Already Open: false (Previous state: null)] --> SUCCE
03-17 12:05:12.482 4037-4087/io..cameraapp D/CameraStateRegistry: Recalculating open cameras:

```
Camera                        State
----------------------------------------------------------------
Camera@29f84f81[id=1]         UNKNOWN
Camera@3d4a577c[id=0]         OPENING
----------------------------------------------------------------
Open count: 1 (Max allowed: 1)
```

03-17 12:05:12.482 4037-4087/io..cameraapp D/Camera2CameraImpl: {Camera@3d4a577c[id=0]} Transitioning camera internal state: INITIALIZED --> OPENING
03-17 12:05:12.482 4037-4087/io..cameraapp D/Camera2CameraImpl: {Camera@3d4a577c[id=0]} Opening camera.
03-17 12:05:12.482 4037-4087/io..cameraapp D/UseCaseAttachState: All use case: [androidx.camera.core.VideoCapture-17ba914d-6988-4208-a8df-5e23945aab93955507687, androidx.cam
03-17 12:05:12.486 4037-4037/io..cameraapp E/RecyclerView: No adapter attached; skipping layout
03-17 12:05:12.487 4037-4037/io..cameraapp I/CameraManager: Using legacy camera HAL.
03-17 12:05:12.503 4037-4087/io..cameraapp D/Camera2CameraImpl: {Camera@3d4a577c[id=0]} Use case Preview:androidx.camera.core.Preview-e3f03b6d-d15a-46b1-b656-13f20db8c067
03-17 12:05:12.503 4037-4087/io..cameraapp D/UseCaseAttachState: Active and attached use case: [androidx.camera.core.Preview-e3f03b6d-d15a-46b1-b656-13f20db8c067181706150] fo
03-17 12:05:12.503 4037-4087/io..cameraapp D/Camera2CameraImpl: {Camera@3d4a577c[id=0]} Use case androidx.camera.core.VideoCapture@38f3e3e7 INACTIVE
03-17 12:05:12.503 4037-4087/io..cameraapp D/UseCaseAttachState: Active and attached use case: [androidx.camera.core.Preview-e3f03b6d-d15a-46b1-b656-13f20db8c067181706150] fo
03-17 12:05:12.503 4037-4087/io..cameraapp D/Camera2CameraImpl: {Camera@3d4a577c[id=0]} CameraDevice.onOpened()
03-17 12:05:12.504 4037-4087/io..cameraapp D/Camera2CameraImpl: {Camera@3d4a577c[id=0]} Transitioning camera internal state: OPENING --> OPENED
03-17 12:05:12.504 4037-4087/io..cameraapp D/CameraStateRegistry: Recalculating open cameras:

```
Camera                        State
----------------------------------------------------------------
Camera@29f84f81[id=1]         UNKNOWN
Camera@3d4a577c[id=0]         OPEN
----------------------------------------------------------------
Open count: 1 (Max allowed: 1)
```

03-17 12:05:12.504 4037-4087/io..cameraapp D/UseCaseAttachState: All use case: [androidx.camera.core.VideoCapture-17ba914d-6988-4208-a8df-5e23945aab93955507687, androidx.cam
03-17 12:05:12.505 4037-4087/io..cameraapp D/UseCaseAttachState: Active and attached use case: [androidx.camera.core.Preview-e3f03b6d-d15a-46b1-b656-13f20db8c067181706150] fo
03-17 12:05:12.529 4037-4037/io..cameraapp D/PreviewView: Surface requested by Preview.
03-17 12:05:12.530 4037-4037/io..cameraapp D/PreviewView: Preview transformation info updated. TransformationInfo{cropRect=Rect(0, 0 - 1280, 720), rotationDegrees=270, targetRotatio
03-17 12:05:12.530 4037-4037/io..cameraapp D/PreviewTransform: Transformation info set: TransformationInfo{cropRect=Rect(0, 0 - 1280, 720), rotationDegrees=270, targetRotation=0} 128
03-17 12:05:12.536 4037-4037/io..cameraapp D/TextureViewImpl: SurfaceTexture available. Size: 1280x720
03-17 12:05:12.536 4037-4037/io..cameraapp D/TextureViewImpl: Surface set on Preview.
03-17 12:05:12.537 4037-4080/io..cameraapp D/SyncCaptureSessionBase: [androidx.camera.camera2.internal.SynchronizedCaptureSessionImpl@1e53e671] getSurface...done
03-17 12:05:12.537 4037-4080/io..cameraapp D/DeferrableSurface: New surface in use[total_surfaces=2, used_surfaces=1](androidx.camera.core.SurfaceRequest$2@1927dd00}
03-17 12:05:12.537 4037-4080/io..cameraapp D/DeferrableSurface: use count+1, useCount=1 androidx.camera.core.SurfaceRequest$2@1927dd00
03-17 12:05:12.537 4037-4080/io..cameraapp D/DeferrableSurface: New surface in use[total_surfaces=2, used_surfaces=2](androidx.camera.core.impl.ImmediateSurface@3a27bb7e}
03-17 12:05:12.537 4037-4080/io..cameraapp D/DeferrableSurface: use count+1, useCount=1 androidx.camera.core.impl.ImmediateSurface@3a27bb7e
03-17 12:05:12.537 4037-4080/io..cameraapp D/CaptureSession: Opening capture session.
03-17 12:05:12.541 4037-4080/io..cameraapp I/CameraDeviceState: Legacy camera service transitioning to state CONFIGURING
03-17 12:05:12.542 4037-4113/io..cameraapp I/RequestThread-0: Configure outputs: 2 surfaces configured.
03-17 12:05:12.542 4037-4113/io..cameraapp D/Camera: app passed NULL surface
03-17 12:05:12.553 4037-4114/io..cameraapp D/EGL_emulation: eglCreateContext: 0xaebeb460: maj 2 min 0 rcv 2
03-17 12:05:12.568 4037-4114/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xaebeb460: ver 2 0 (tinfo 0xaebff0f0)
03-17 12:05:12.581 4037-4080/io..cameraapp I/CameraDeviceState: Legacy camera service transitioning to state IDLE

```
03-17 12:05:12.583 4037-4087/io..cameraapp D/SyncCaptureSessionImpl: [androidx.camera.camera2.internal.SynchronizedCaptureSessionImpl@1e53e671] Session onConfigured()
03-17 12:05:12.583 4037-4087/io..cameraapp D/CaptureSession: Attempting to send capture request onConfigured
03-17 12:05:12.583 4037-4087/io..cameraapp D/CaptureSession: Issuing request for session.
03-17 12:05:12.585 4037-4087/io..cameraapp I/RequestQueue: Repeating capture request set.
03-17 12:05:12.585 4037-4087/io..cameraapp D/CaptureSession: CameraCaptureSession.onConfigured() mState=OPENED
03-17 12:05:12.585 4037-4087/io..cameraapp D/CaptureSession: CameraCaptureSession.onReady() OPENED
03-17 12:05:12.586 4037-4113/io..cameraapp W/LegacyRequestMapper: convertRequestMetadata - control.awbRegions setting is not supported, ignoring value
03-17 12:05:12.587 4037-4113/io..cameraapp W/LegacyRequestMapper: convertRequestToMetadata - Ignoring android.lens.focusDistance false, only 0.0f is supported
03-17 12:05:13.851 4037-4114/io..cameraapp I/CameraDeviceState: Legacy camera service transitioning to state CAPTURING
03-17 12:05:13.894 4037-4114/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xaebeb460: ver 2 0 (tinfo 0xaebff0f0)
03-17 12:05:14.207 4037-4037/io..cameraapp D/StreamStateObserver: Update Preview stream state to STREAMING
03-17 12:05:15.463 4037-4093/io..cameraapp W/ALooperRoster: failed to deliver message. Target handler not registered.
03-17 12:05:15.488 4037-4096/io..cameraapp W/ALooperRoster: failed to deliver message. Target handler not registered.
03-17 12:05:20.670 4037-4037/io..cameraapp I/VideoCapture: startRecording
03-17 12:05:20.672 4037-4037/io..cameraapp I/VideoCapture: videoEncoder start
03-17 12:05:20.697 4037-4099/io..cameraapp E/SoftAVCEncoder: Failed to initialize the encoder: -8
03-17 12:05:20.697 4037-4093/io..cameraapp E/ACodec: [OMX.google.h264.encoder] ERROR(0x80001001)
03-17 12:05:20.697 4037-4093/io..cameraapp E/ACodec: signalError(omxError 0x80001001, internalError -2147483648)
03-17 12:05:20.697 4037-4037/io..cameraapp I/VideoCapture: audioEncoder start
03-17 12:05:20.698 4037-4092/io..cameraapp E/MediaCodec: Codec reported err 0x80001001, actionCode 0, while in state 6
03-17 12:05:20.700 4037-4101/io..cameraapp W/SoftAACEncoder2: Requested bitrate 64000 unsupported, using 48000
03-17 12:05:20.702 4037-4037/io..cameraapp D/CameraOrientationUtil: getRelativeImageRotation: destRotationDegrees=90, sourceRotationDegrees=270, isOppositeFacing=true, result=180
03-17 12:05:20.704 4037-4087/io..cameraapp D/Camera2CameraImpl: {Camera@3d4a577c[id=0]} Use case androidx.camera.core.VideoCapture@38f3e3e7 ACTIVE
03-17 12:05:20.704 4037-4087/io..cameraapp D/UseCaseAttachState: Active and attached use case: [androidx.camera.core.VideoCapture-17ba914d-6988-4208-a8df-5e23945aab93955507€
03-17 12:05:20.704 4037-4087/io..cameraapp D/CaptureSession: Attempting to submit CaptureRequest after setting
03-17 12:05:20.704 4037-4087/io..cameraapp D/CaptureSession: Issuing request for session.


    --------- beginning of crash
03-17 12:05:20.705 4037-4090/io..cameraapp E/AndroidRuntime: FATAL EXCEPTION: CameraX-video encoding thread
    Process: io..cameraapp, PID: 4037
    java.lang.IllegalStateException
        at android.media.MediaCodec.native_dequeueOutputBuffer(Native Method)
        at android.media.MediaCodec.dequeueOutputBuffer(MediaCodec.java:1033)
        at androidx.camera.core.VideoCapture.videoEncode(VideoCapture.java:745)
        at androidx.camera.core.VideoCapture.lambda$startRecording$4$VideoCapture(VideoCapture.java:449)
        at androidx.camera.core.-$$Lambda$VideoCapture$jQcTcS90xJpIyY9ugdwbMoCSKWs.run(lambda)
        at android.os.Handler.handleCallback(Handler.java:739)
        at android.os.Handler.dispatchMessage(Handler.java:95)
        at android.os.Looper.loop(Looper.java:135)
        at android.os.HandlerThread.run(HandlerThread.java:61)
03-17 12:05:20.705 4037-4087/io..cameraapp I/RequestQueue: Repeating capture request cancelled.
03-17 12:05:20.705 4037-4087/io..cameraapp I/RequestQueue: Repeating capture request set.
03-17 12:05:20.706 4037-4037/io..cameraapp E/RecyclerView: Cannot smooth scroll without a LayoutManager set. Call setLayoutManager with a non-null argument.
03-17 12:05:20.708 4037-4113/io..cameraapp W/LegacyRequestMapper: convertRequestMetadata - control.awbRegions setting is not supported, ignoring value
03-17 12:05:20.708 4037-4113/io..cameraapp W/LegacyRequestMapper: convertRequestToMetadata - Ignoring android.lens.focusDistance false, only 0.0f is supported
03-17 12:05:20.751 4037-4114/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xaebeb460: ver 2 0 (tinfo 0xaebff0f0)
03-17 12:05:20.764 4037-4114/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xaebeb460: ver 2 0 (tinfo 0xaebff0f0)
03-17 12:05:20.802 4037-4114/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xaebeb460: ver 2 0 (tinfo 0xaebff0f0)
03-17 12:05:20.812 4037-4114/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xaebeb460: ver 2 0 (tinfo 0xaebff0f0)
03-17 12:05:20.846 4037-4037/io..cameraapp E/RecyclerView: Cannot smooth scroll without a LayoutManager set. Call setLayoutManager with a non-null argument.
03-17 12:05:20.856 4037-4061/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ca0: ver 2 0 (tinfo 0xae8393f0)
03-17 12:05:20.860 4037-4114/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xaebeb460: ver 2 0 (tinfo 0xaebff0f0)
03-17 12:05:21.024 4037-4061/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ca0: ver 2 0 (tinfo 0xae8393f0)
03-17 12:05:21.449 4037-4037/io..cameraapp E/RecyclerView: Cannot smooth scroll without a LayoutManager set. Call setLayoutManager with a non-null argument.
03-17 12:05:21.532 4037-4037/io..cameraapp E/RecyclerView: No adapter attached; skipping layout
03-17 12:05:21.533 4037-4037/io..cameraapp E/RecyclerView: Cannot smooth scroll without a LayoutManager set. Call setLayoutManager with a non-null argument.
03-17 12:05:21.538 4037-4080/io..cameraapp D/UseCaseAttachState: Active and attached use case: [androidx.camera.core.VideoCapture-17ba914d-6988-4208-a8df-5e23945aab93955507€
03-17 12:05:21.538 4037-4080/io..cameraapp D/CaptureSession: Attempting to submit CaptureRequest after setting
03-17 12:05:21.538 4037-4080/io..cameraapp D/CaptureSession: Issuing request for session.
03-17 12:05:21.538 4037-4080/io..cameraapp I/RequestQueue: Repeating capture request cancelled.
03-17 12:05:21.538 4037-4080/io..cameraapp I/RequestQueue: Repeating capture request set.
03-17 12:05:21.538 4037-4037/io..cameraapp I/VideoCapture: stopRecording
03-17 12:05:21.539 4037-4087/io..cameraapp D/Camera2CameraImpl: {Camera@3d4a577c[id=0]} Use case androidx.camera.core.VideoCapture@38f3e3e7 INACTIVE
03-17 12:05:21.539 4037-4087/io..cameraapp D/UseCaseAttachState: Active and attached use case: [androidx.camera.core.Preview-e3f03b6d-d15a-46b1-b656-13f20db8c067181706150] fo
03-17 12:05:21.539 4037-4087/io..cameraapp D/CaptureSession: Attempting to submit CaptureRequest after setting
03-17 12:05:21.539 4037-4087/io..cameraapp D/CaptureSession: Issuing request for session.
03-17 12:05:21.539 4037-4087/io..cameraapp I/RequestQueue: Repeating capture request cancelled.
03-17 12:05:21.540 4037-4087/io..cameraapp I/RequestQueue: Repeating capture request set.
03-17 12:05:21.540 4037-4080/io..cameraapp D/Camera2CameraImpl: {Camera@3d4a577c[id=0]} Use cases [Preview:androidx.camera.core.Preview-e3f03b6d-d15a-46b1-b656-13f20db8c0
03-17 12:05:21.540 4037-4080/io..cameraapp D/UseCaseAttachState: All use case: [] for camera: 0
03-17 12:05:21.540 4037-4080/io..cameraapp D/Camera2CameraImpl: {Camera@3d4a577c[id=0]} Resetting Capture Session
03-17 12:05:21.540 4037-4080/io..cameraapp D/DeferrableSurface: surface closed,  useCount=1 closed=true androidx.camera.core.SurfaceRequest$2@1927dd00
03-17 12:05:21.540 4037-4080/io..cameraapp D/DeferrableSurface: surface closed,  useCount=1 closed=true androidx.camera.core.impl.ImmediateSurface@3a27bb7e
03-17 12:05:21.540 4037-4080/io..cameraapp D/SyncCaptureSessionImpl: [androidx.camera.camera2.internal.SynchronizedCaptureSessionImpl@1e53e671] deferrableSurface closed
03-17 12:05:21.541 4037-4080/io..cameraapp D/SyncCaptureSessionImpl: [androidx.camera.camera2.internal.SynchronizedCaptureSessionImpl@1e53e671] Session call close()
03-17 12:05:21.541 4037-4080/io..cameraapp D/SyncCaptureSessionImpl: [androidx.camera.camera2.internal.SynchronizedCaptureSessionImpl@1e53e671] deferrableSurface closed
03-17 12:05:21.541 4037-4080/io..cameraapp D/Camera2CameraImpl: {Camera@3d4a577c[id=0]} Releasing session in state OPENED
03-17 12:05:21.541 4037-4080/io..cameraapp D/UseCaseAttachState: Active and attached use case: [] for camera: 0
03-17 12:05:21.541 4037-4080/io..cameraapp D/UseCaseAttachState: Active and attached use case: [] for camera: 0
03-17 12:05:21.541 4037-4080/io..cameraapp D/Camera2CameraImpl: {Camera@3d4a577c[id=0]} Closing camera.
03-17 12:05:21.541 4037-4080/io..cameraapp D/Camera2CameraImpl: {Camera@3d4a577c[id=0]} Transitioning camera internal state: OPENED --> CLOSING
03-17 12:05:21.541 4037-4080/io..cameraapp D/CameraStateRegistry: Recalculating open cameras:
    Camera                        State
    -----------------------------------------------------------------
    Camera@29f84f81[id=1]          UNKNOWN
```

```
                  Camera@3d4a577c[id=0]          CLOSING
                  ------------------------------------------------------------------
                  Open count: 1 (Max allowed: 1)
03-17 12:05:21.542 4037-4080/io..cameraapp D/Camera2CameraImpl: {Camera@3d4a577c[id=0]} Resetting Capture Session
03-17 12:05:21.542 4037-4080/io..cameraapp D/Camera2CameraImpl: {Camera@3d4a577c[id=0]} Releasing session in state CLOSING
03-17 12:05:21.542 4037-4080/io..cameraapp D/SyncCaptureSessionImpl: [androidx.camera.camera2.internal.SynchronizedCaptureSessionImpl@1e53e671] Session call super.close()
03-17 12:05:21.542 4037-4080/io..cameraapp I/RequestQueue: Repeating capture request cancelled.
03-17 12:05:21.543 4037-4037/io..cameraapp I/VideoCapture: stopRecording
03-17 12:05:21.544 4037-4080/io..cameraapp D/Camera2CameraImpl: {Camera@3d4a577c[id=0]} Use case androidx.camera.core.VideoCapture@38f3e3e7 INACTIVE
03-17 12:05:21.544 4037-4080/io..cameraapp D/UseCaseAttachState: Active and attached use case: [] for camera: 0
03-17 12:05:21.588 4037-4061/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ca0: ver 2 0 (tinfo 0xae8393f0)
03-17 12:05:21.597 4037-4091/io..cameraapp I/VideoCapture: audioRecorder stop
03-17 12:05:21.605 4037-4037/io..cameraapp D/StreamStateObserver: Update Preview stream state to IDLE
03-17 12:05:21.633 4037-4091/io..cameraapp I/VideoCapture: Audio encode thread end
03-17 12:05:24.838 4037-4113/io..cameraapp E/RequestThread-0: Timed out while waiting for request to complete.
03-17 12:05:24.839 4037-4113/io..cameraapp W/CaptureCollector: Preview buffers dropped for request: 1
03-17 12:05:24.841 4037-4106/io..cameraapp E/CameraDevice-JV-0: Lost output buffer reported for frame 131
03-17 12:05:24.841 4037-4106/io..cameraapp E/CameraDevice-JV-0: Lost output buffer reported for frame 131
03-17 12:05:24.841 4037-4113/io..cameraapp I/CameraDeviceState: Legacy camera service transitioning to state IDLE
03-17 12:05:24.842 4037-4087/io..cameraapp D/CaptureSession: CameraCaptureSession.onReady() RELEASING
03-17 12:05:24.843 4037-4079/io..cameraapp I/CameraDeviceState: Legacy camera service transitioning to state CONFIGURING
03-17 12:05:24.843 4037-4113/io..cameraapp I/RequestThread-0: Configure outputs: 0 surfaces configured.
03-17 12:05:24.855 4037-4113/io..cameraapp D/Camera: app passed NULL surface
```

Logs of Black screen while opening front camera to capture selfie on same emulator:-
Wiping data from emulator solved this black screen issue

```
03-17 11:56:38.024 8705-8705/? E/libprocessgroup: failed to make and chown /acct/uid_10058: Read-only file system
03-17 11:56:38.024 8705-8705/? W/Zygote: createProcessGroup failed, kernel missing CONFIG_CGROUP_CPUACCT?
03-17 11:56:38.025 8705-8705/? I/art: Not late-enabling -Xcheck:jni (already on)
03-17 11:56:38.482 8705-8705/io..cameraapp W/art: Verification of void androidx.lifecycle.ProcessLifecycleOwner$3.onActivityPreCreated(android.app.Activity, android.os.Bundle) took 406
03-17 11:56:38.555 8705-8720/io..cameraapp W/art: Suspending all threads took: 26.963ms
03-17 11:56:38.613 8705-8720/io..cameraapp I/art: Background sticky concurrent mark sweep GC freed 1576(107KB) AllocSpace objects, 0(0B) LOS objects, 0% free, 1299KB/1299KB, pause
03-17 11:56:38.899 8705-8705/io..cameraapp W/art: Before Android 4.1, method android.graphics.PorterDuffColorFilter androidx.vectordrawable.graphics.drawable.VectorDrawableCompat.
android.graphics.PorterDuff$Mode) would have incorrectly overridden the package-private method in android.graphics.drawable.Drawable
03-17 11:56:39.418 8705-8728/io..cameraapp D/OpenGLRenderer: Use EGL_SWAP_BEHAVIOR_PRESERVED: true
03-17 11:56:39.428 8705-8705/io..cameraapp D/Atlas: Validating map...
03-17 11:56:39.493 8705-8728/io..cameraapp I/OpenGLRenderer: Initialized EGL, version 1.4
03-17 11:56:39.495 8705-8728/io..cameraapp W/OpenGLRenderer: Failed to choose config with EGL_SWAP_BEHAVIOR_PRESERVED, retrying without...
03-17 11:56:39.508 8705-8728/io..cameraapp D/EGL_emulation: eglCreateContext: 0xae834ee0: maj 2 min 0 rcv 2
03-17 11:56:39.513 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)
03-17 11:56:39.517 8705-8728/io..cameraapp D/OpenGLRenderer: Enabling debug mode 0
03-17 11:56:39.538 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)
03-17 11:56:42.587 8705-8735/io..cameraapp I/CameraManagerGlobal: getCameraService: Reconnecting to camera service
03-17 11:56:42.628 8705-8735/io..cameraapp D/CameraRepository: Added camera: 0
03-17 11:56:42.644 8705-8735/io..cameraapp I/Camera2CameraInfo: Device Level: INFO_SUPPORTED_HARDWARE_LEVEL_LEGACY
03-17 11:56:42.646 8705-8735/io..cameraapp D/CameraRepository: Added camera: 1
03-17 11:56:42.649 8705-8735/io..cameraapp I/Camera2CameraInfo: Device Level: INFO_SUPPORTED_HARDWARE_LEVEL_LEGACY
03-17 11:56:42.652 8705-8735/io..cameraapp D/UseCaseAttachState: Active and attached use case: [] for camera: 1
03-17 11:56:42.653 8705-8737/io..cameraapp D/UseCaseAttachState: Active and attached use case: [] for camera: 0
03-17 11:56:42.823 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)
03-17 11:56:42.826 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)
03-17 11:56:43.194 8705-8705/io..cameraapp E/RecyclerView: No adapter attached; skipping layout
03-17 11:56:43.213 8705-8705/io..cameraapp D/CameraOrientationUtil: getRelativeImageRotation: destRotationDegrees=0, sourceRotationDegrees=90, isOppositeFacing=false, result=90
03-17 11:56:43.213 8705-8705/io..cameraapp D/CameraOrientationUtil: getRelativeImageRotation: destRotationDegrees=0, sourceRotationDegrees=90, isOppositeFacing=false, result=90
03-17 11:56:43.214 8705-8705/io..cameraapp D/CameraOrientationUtil: getRelativeImageRotation: destRotationDegrees=0, sourceRotationDegrees=90, isOppositeFacing=false, result=90
03-17 11:56:43.214 8705-8705/io..cameraapp D/CameraOrientationUtil: getRelativeImageRotation: destRotationDegrees=0, sourceRotationDegrees=90, isOppositeFacing=false, result=90
03-17 11:56:43.217 8705-8705/io..cameraapp D/DeferrableSurface: Surface created[total_surfaces=1, used_surfaces=0](androidx.camera.core.SurfaceRequest$2@384d6ec6}
03-17 11:56:43.218 8705-8705/io..cameraapp D/CameraOrientationUtil: getRelativeImageRotation: destRotationDegrees=0, sourceRotationDegrees=90, isOppositeFacing=false, result=90
03-17 11:56:43.223 8705-8705/io..cameraapp D/DeferrableSurface: Surface created[total_surfaces=2, used_surfaces=0](androidx.camera.core.impl.ImmediateSurface@29cae1dd}
03-17 11:56:43.224 8705-8737/io..cameraapp D/Camera2CameraImpl: {Camera@176fffa5[id=1]} Use case ImageCapture:androidx.camera.core.ImageCapture-26f0b777-4dd9-428a-946d-15
03-17 11:56:43.225 8705-8737/io..cameraapp D/UseCaseAttachState: Active and attached use case: [] for camera: 1
03-17 11:56:43.225 8705-8737/io..cameraapp D/Camera2CameraImpl: {Camera@176fffa5[id=1]} Use case Preview:androidx.camera.core.Preview-138f95b0-26bc-4fe5-ba5a-6e5a206bae3f A
03-17 11:56:43.225 8705-8737/io..cameraapp D/UseCaseAttachState: Active and attached use case: [] for camera: 1
03-17 11:56:43.225 8705-8737/io..cameraapp D/Camera2CameraImpl: {Camera@176fffa5[id=1]} Use case ImageCapture:androidx.camera.core.ImageCapture-26f0b777-4dd9-428a-946d-15
03-17 11:56:43.225 8705-8737/io..cameraapp D/UseCaseAttachState: Active and attached use case: [] for camera: 1
03-17 11:56:43.225 8705-8737/io..cameraapp D/UseCaseAttachState: Active and attached use case: [] for camera: 1
03-17 11:56:43.226 8705-8737/io..cameraapp D/Camera2CameraImpl: {Camera@176fffa5[id=1]} Use cases [Preview:androidx.camera.core.Preview-138f95b0-26bc-4fe5-ba5a-6e5a206bae3f
ATTACHED
03-17 11:56:43.227 8705-8705/io..cameraapp I/Choreographer: Skipped 32 frames!  The application may be doing too much work on its main thread.
03-17 11:56:43.227 8705-8737/io..cameraapp D/UseCaseAttachState: All use case: [androidx.camera.core.ImageCapture-26f0b777-4dd9-428a-946d-1587701f4984834960634, androidx.cam
03-17 11:56:43.227 8705-8737/io..cameraapp D/Camera2CameraImpl: mMeteringRepeating is ATTACHED, SessionConfig Surfaces: 2, CaptureConfig Surfaces: 1
03-17 11:56:43.228 8705-8737/io..cameraapp D/UseCaseAttachState: Active and attached use case: [androidx.camera.core.ImageCapture-26f0b777-4dd9-428a-946d-1587701f49848349600
03-17 11:56:43.229 8705-8737/io..cameraapp D/Camera2CameraImpl: {Camera@176fffa5[id=1]} Resetting Capture Session
03-17 11:56:43.229 8705-8737/io..cameraapp D/Camera2CameraImpl: {Camera@176fffa5[id=1]} Releasing session in state INITIALIZED
03-17 11:56:43.230 8705-8737/io..cameraapp D/CameraStateRegistry: tryOpenCamera(Camera@176fffa5[id=1]) [Available Cameras: 1, Already Open: false (Previous state: null)] --> SUCCES:
03-17 11:56:43.230 8705-8737/io..cameraapp D/CameraStateRegistry: Recalculating open cameras:
                  Camera                       State
                  ------------------------------------------------------------------
                  Camera@176fffa5[id=1]          OPENING
                  Camera@1fd260b3[id=0]          UNKNOWN
                  ------------------------------------------------------------------
                  Open count: 1 (Max allowed: 1)
```

```
03-17 11:56:43.230 8705-8737/io..cameraapp D/Camera2CameraImpl: {Camera@176fffa5[id=1]} Transitioning camera internal state: INITIALIZED --> OPENING
03-17 11:56:43.230 8705-8737/io..cameraapp D/Camera2CameraImpl: {Camera@176fffa5[id=1]} Opening camera.
03-17 11:56:43.230 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)
03-17 11:56:43.230 8705-8737/io..cameraapp D/UseCaseAttachState: All use case: [androidx.camera.core.ImageCapture-26f0b777-4dd9-428a-946d-1587701f4984834960634, androidx.cam
03-17 11:56:43.246 8705-8737/io..cameraapp I/CameraManager: Using legacy camera HAL.
03-17 11:56:43.377 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)
03-17 11:56:43.428 8705-8705/io..cameraapp D/PreviewView: Surface requested by Preview.
03-17 11:56:43.431 8705-8705/io..cameraapp E/RecyclerView: No adapter attached; skipping layout
03-17 11:56:43.434 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)
03-17 11:56:43.442 8705-8705/io..cameraapp D/TextureViewImpl: SurfaceTexture available. Size: 640x480
03-17 11:56:43.442 8705-8705/io..cameraapp D/TextureViewImpl: Surface set on Preview.
03-17 11:56:43.456 8705-8705/io..cameraapp D/PreviewView: Preview transformation info updated. TransformationInfo{cropRect=Rect(0, 0 - 640, 480), rotationDegrees=90, targetRotation=0
03-17 11:56:43.456 8705-8705/io..cameraapp D/PreviewTransform: Transformation info set: TransformationInfo{cropRect=Rect(0, 0 - 640, 480), rotationDegrees=90, targetRotation=0} 640x4
03-17 11:56:43.464 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)
03-17 11:56:43.793 8705-8705/io..cameraapp E/RecyclerView: No adapter attached; skipping layout
03-17 11:56:43.810 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)
03-17 11:56:48.252 8705-8737/io..cameraapp E/CameraDeviceUserShim: waitForOpen - Camera failed to open after timeout of 5000 ms
03-17 11:56:48.253 8705-8737/io..cameraapp D/Camera2CameraImpl: {Camera@176fffa5[id=1]} Use case Preview:androidx.camera.core.Preview-138f95b0-26bc-4fe5-ba5a-6e5a206bae3f A
03-17 11:56:48.253 8705-8737/io..cameraapp D/UseCaseAttachState: Active and attached use case: [androidx.camera.core.ImageCapture-26f0b777-4dd9-428a-946d-1587701f4984834960
03-17 11:56:48.253 8705-8737/io..cameraapp D/Camera2CameraImpl: {Camera@176fffa5[id=1]} Use case ImageCapture:androidx.camera.core.ImageCapture-26f0b777-4dd9-428a-946d-15
03-17 11:56:48.254 8705-8737/io..cameraapp D/UseCaseAttachState: Active and attached use case: [androidx.camera.core.ImageCapture-26f0b777-4dd9-428a-946d-1587701f4984834960
03-17 11:56:48.254 8705-8737/io..cameraapp D/Camera2CameraImpl: CameraDevice.onError(): 1 failed with ERROR_CAMERA_DEVICE while in OPENING state. Will attempt recovering from
03-17 11:56:48.254 8705-8737/io..cameraapp D/Camera2CameraImpl: Attempt to reopen camera[1] after error[ERROR_CAMERA_DEVICE]
03-17 11:56:48.254 8705-8737/io..cameraapp D/Camera2CameraImpl: {Camera@176fffa5[id=1]} Transitioning camera internal state: OPENING --> REOPENING
03-17 11:56:48.254 8705-8737/io..cameraapp D/Camera2CameraImpl: {Camera@176fffa5[id=1]} Resetting Capture Session
03-17 11:56:48.254 8705-8737/io..cameraapp D/Camera2CameraImpl: {Camera@176fffa5[id=1]} Releasing session in state REOPENING
03-17 11:56:48.255 8705-8737/io..cameraapp D/UseCaseAttachState: Active and attached use case: [androidx.camera.core.ImageCapture-26f0b777-4dd9-428a-946d-1587701f4984834960
03-17 11:56:48.256 8705-8735/io..cameraapp D/Camera2CameraImpl: {Camera@176fffa5[id=1]} CameraDevice.onClosed()
03-17 11:56:48.256 8705-8735/io..cameraapp D/Camera2CameraImpl: {Camera@176fffa5[id=1]} Camera closed due to error: ERROR_CAMERA_DEVICE
03-17 11:56:48.257 8705-8735/io..cameraapp D/Camera2CameraImpl: {Camera@176fffa5[id=1]} Attempting camera re-open in 700ms: androidx.camera.camera2.internal.Camera2CameraIn
03-17 11:56:48.962 8705-8737/io..cameraapp D/Camera2CameraImpl: {Camera@176fffa5[id=1]} Cancelling scheduled re-open: androidx.camera.camera2.internal.Camera2CameraImpl$Stat
03-17 11:56:48.962 8705-8737/io..cameraapp D/CameraStateRegistry: tryOpenCamera(Camera@176fffa5[id=1]) [Available Cameras: 0, Already Open: true (Previous state: OPENING)] --> SUC
03-17 11:56:48.962 8705-8737/io..cameraapp D/CameraStateRegistry: Recalculating open cameras:
     Camera                              State
     ----------------------------------------------------------------
     Camera@176fffa5[id=1]               OPENING
     Camera@1fd260b3[id=0]               UNKNOWN
     ----------------------------------------------------------------
     Open count: 1 (Max allowed: 1)
03-17 11:56:48.962 8705-8737/io..cameraapp D/Camera2CameraImpl: {Camera@176fffa5[id=1]} Transitioning camera internal state: REOPENING --> OPENING
03-17 11:56:48.963 8705-8737/io..cameraapp D/Camera2CameraImpl: {Camera@176fffa5[id=1]} Opening camera.
03-17 11:56:48.963 8705-8737/io..cameraapp D/UseCaseAttachState: All use case: [androidx.camera.core.ImageCapture-26f0b777-4dd9-428a-946d-1587701f4984834960634, androidx.cam


Back camera black screen logs:


03-17 12:00:12.463 8705-8705/io..cameraapp D/CameraOrientationUtil: getRelativeImageRotation: destRotationDegrees=0, sourceRotationDegrees=270, isOppositeFacing=true, result=270
03-17 12:00:12.464 8705-8705/io..cameraapp D/DeferrableSurface: Surface created[total_surfaces=2, used_surfaces=0](androidx.camera.core.impl.ImmediateSurface@398eedd4}
03-17 12:00:12.464 8705-8735/io..cameraapp D/Camera2CameraImpl: {Camera@1fd260b3[id=0]} Use case ImageCapture:androidx.camera.core.ImageCapture-c4d37195-9f14-40a0-9edd-26
03-17 12:00:12.464 8705-8735/io..cameraapp D/UseCaseAttachState: Active and attached use case: [] for camera: 0
03-17 12:00:12.464 8705-8735/io..cameraapp D/Camera2CameraImpl: {Camera@1fd260b3[id=0]} Use case Preview:androidx.camera.core.Preview-878f3d25-5080-4358-abdf-46c15979d7e1
03-17 12:00:12.464 8705-8735/io..cameraapp D/UseCaseAttachState: Active and attached use case: [] for camera: 0
03-17 12:00:12.464 8705-8735/io..cameraapp D/Camera2CameraImpl: {Camera@1fd260b3[id=0]} Use case ImageCapture:androidx.camera.core.ImageCapture-c4d37195-9f14-40a0-9edd-26
03-17 12:00:12.465 8705-8735/io..cameraapp D/UseCaseAttachState: Active and attached use case: [] for camera: 0
03-17 12:00:12.465 8705-8735/io..cameraapp D/UseCaseAttachState: Active and attached use case: [] for camera: 0
03-17 12:00:12.465 8705-8735/io..cameraapp D/Camera2CameraImpl: {Camera@1fd260b3[id=0]} Use cases [Preview:androidx.camera.core.Preview-878f3d25-5080-4358-abdf-46c15979d7
     ATTACHED
03-17 12:00:12.465 8705-8735/io..cameraapp D/UseCaseAttachState: All use case: [androidx.camera.core.ImageCapture-c4d37195-9f14-40a0-9edd-2682fc6b390e527594010, androidx.cam
03-17 12:00:12.465 8705-8735/io..cameraapp D/Camera2CameraImpl: mMeteringRepeating is ATTACHED, SessionConfig Surfaces: 2, CaptureConfig Surfaces: 1
03-17 12:00:12.465 8705-8735/io..cameraapp D/UseCaseAttachState: Active and attached use case: [androidx.camera.core.ImageCapture-c4d37195-9f14-40a0-9edd-2682fc6b390e527594(
03-17 12:00:12.465 8705-8735/io..cameraapp D/Camera2CameraImpl: {Camera@1fd260b3[id=0]} Resetting Capture Session
03-17 12:00:12.465 8705-8735/io..cameraapp D/Camera2CameraImpl: {Camera@1fd260b3[id=0]} Releasing session in state INITIALIZED
03-17 12:00:12.465 8705-8735/io..cameraapp D/CameraStateRegistry: tryOpenCamera(Camera@1fd260b3[id=0]) [Available Cameras: 0, Already Open: false (Previous state: null)] --> FAIL
03-17 12:00:12.465 8705-8735/io..cameraapp D/Camera2CameraImpl: {Camera@1fd260b3[id=0]} No cameras available. Waiting for available camera before opening camera.
03-17 12:00:12.465 8705-8735/io..cameraapp D/Camera2CameraImpl: {Camera@1fd260b3[id=0]} Transitioning camera internal state: INITIALIZED --> PENDING_OPEN
03-17 12:00:12.465 8705-8735/io..cameraapp D/CameraStateRegistry: Recalculating open cameras:
     Camera                              State
     ----------------------------------------------------------------
     Camera@176fffa5[id=1]               OPENING
     Camera@1fd260b3[id=0]               PENDING_OPEN
     ----------------------------------------------------------------
     Open count: 1 (Max allowed: 1)
03-17 12:00:12.466 8705-8735/io..cameraapp D/Camera2CameraImpl: {Camera@1fd260b3[id=0]} Use case Preview:androidx.camera.core.Preview-878f3d25-5080-4358-abdf-46c15979d7e1
03-17 12:00:12.466 8705-8735/io..cameraapp D/UseCaseAttachState: Active and attached use case: [androidx.camera.core.ImageCapture-c4d37195-9f14-40a0-9edd-2682fc6b390e527594(
03-17 12:00:12.466 8705-8735/io..cameraapp D/Camera2CameraImpl: {Camera@1fd260b3[id=0]} Use case ImageCapture:androidx.camera.core.ImageCapture-c4d37195-9f14-40a0-9edd-26
03-17 12:00:12.466 8705-8735/io..cameraapp D/UseCaseAttachState: Active and attached use case: [androidx.camera.core.ImageCapture-c4d37195-9f14-40a0-9edd-2682fc6b390e527594(
03-17 12:00:12.466 8705-8735/io..cameraapp D/UseCaseAttachState: Active and attached use case: [androidx.camera.core.ImageCapture-c4d37195-9f14-40a0-9edd-2682fc6b390e527594(
03-17 12:00:12.487 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)
03-17 12:00:12.532 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)
03-17 12:00:12.540 8705-8705/io..cameraapp E/RecyclerView: No adapter attached; skipping layout
03-17 12:00:12.558 8705-8705/io..cameraapp D/PreviewView: Surface requested by Preview.
03-17 12:00:12.559 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)
03-17 12:00:12.560 8705-8705/io..cameraapp D/TextureViewImpl: SurfaceTexture available. Size: 1280x720
03-17 12:00:12.560 8705-8705/io..cameraapp D/TextureViewImpl: Surface set on Preview.
03-17 12:00:12.583 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)
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03-17 12:00:12.675 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)
03-17 12:00:12.676 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)
03-17 12:00:12.785 8705-8705/io..cameraapp D/PreviewView: Preview transformation info updated. TransformationInfo{cropRect=Rect(0, 0 - 1280, 720), rotationDegrees=270, targetRotation
03-17 12:00:12.785 8705-8705/io..cameraapp D/PreviewTransform: Transformation info set: TransformationInfo{cropRect=Rect(0, 0 - 1280, 720), rotationDegrees=270, targetRotation=0} 128
03-17 12:00:12.786 8705-8705/io..cameraapp E/RecyclerView: No adapter attached; skipping layout
03-17 12:00:12.787 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)
03-17 12:00:12.795 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)
03-17 12:00:12.809 8705-8705/io..cameraapp W/PathParser: Points are too far apart 4.000010940821801
03-17 12:00:12.809 8705-8705/io..cameraapp W/PathParser: Points are too far apart 4.000010940821801
03-17 12:00:12.809 8705-8705/io..cameraapp W/PathParser: Points are too far apart 4.004076536022944
03-17 12:00:12.809 8705-8705/io..cameraapp W/PathParser: Points are too far apart 4.004076536022915
03-17 12:00:12.810 8705-8705/io..cameraapp W/PathParser: Points are too far apart 4.004084325089051
03-17 12:00:12.810 8705-8705/io..cameraapp W/PathParser: Points are too far apart 4.004084325089051
03-17 12:00:12.810 8705-8705/io..cameraapp W/PathParser: Points are too far apart 4.006417463789489
03-17 12:00:12.811 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)
03-17 12:00:12.847 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)
03-17 12:00:12.877 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)
03-17 12:00:12.909 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)
03-17 12:00:13.260 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)
03-17 12:00:19.713 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)
03-17 12:00:19.732 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)

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be...@gmail.com <be...@gmail.com> #14

Hi Team
Any update regarding this?
Thanks

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ho...@google.com <ho...@google.com> #15

Hi behlsoft

Sorry for the late reply.

For the Video and audio encoder exceptions issues on the emulator, I will have 1 or 2 patches to solve this problem.

The worst case is once the audio cannot config successfully, the recording will continue and the user will get a recording result without audio.

Running on the emulator, for video part, the SW encoder (OMX.google.h264.encoder) is very limited, the max support resolution is 896*896.

And new patches merged, then we can check if there is any black screen problem on the real device?

Please note one thing, the VideoCapture in camera-core module isn't publicly released, you can only get the update from the tip of the tree source.

Currently there is a new video capture (a new camera-video module) under development, this kind situation has been taken into account the new VideoCapture, please stay tuned.

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ho...@google.com <ho...@google.com> #16

Hi behlsoft

Update and correct an information.

Since the VideoCapture is not publicly release, new patches will not included in the stable release, but you can get it from alpha release (ex. androidx.camera:camera-core:1.1.0-alpha03).

I will update the version to you if these patches merged.

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be...@gmail.com <be...@gmail.com> #17

Hi Team
Thanks for the detailed reply!
waiting for the same!
What about this issue I faced where the camera doesn't open.. it got failed even after retry! few customers are facing this issue!
": waitForOpen - Camera failed to open after timeout of 5000 ms
03-17 11:56:48.254 8705-8737/io..cameraapp D/Camera2CameraImpl: CameraDevice.onError(): 1 failed with ERROR_CAMERA_DEVICE while in OPENING state. Will attempt recovering from
03-17 11:56:48.254 8705-8737/io..cameraapp D/Camera2CameraImpl: Attempt to reopen camera[1] after error[ERROR_CAMERA_DEVICE]
03-17 11:56:48.254 8705-8737/io..cameraapp D/Camera2CameraImpl: {Camera@176fffa5[id=1]} Transitioning camera internal state: OPENING --> REOPENING
03-17 11:56:48.254 8705-8737/io..cameraapp D/Camera2CameraImpl: {Camera@176fffa5[id=1]} Resetting Capture Session
03-17 11:56:48.254 8705-8737/io..cameraapp D/Camera2CameraImpl: {Camera@176fffa5[id=1]} Releasing session in state REOPENING
03-17 11:56:48.255 8705-8737/io..cameraapp D/UseCaseAttachState: Active and attached use case: [androidx.camera.core.ImageCapture-26f0b777-4dd9-428a-946d-1587701f49848349600
03-17 11:56:48.256 8705-8735/io..cameraapp D/Camera2CameraImpl: {Camera@176fffa5[id=1]} CameraDevice.onClosed()
03-17 11:56:48.256 8705-8735/io..cameraapp D/Camera2CameraImpl: {Camera@176fffa5[id=1]} Camera closed due to error: ERROR_CAMERA_DEVICE
03-17 11:56:48.257 8705-8735/io..cameraapp D/Camera2CameraImpl: {Camera@176fffa5[id=1]} Attempting camera re-open in 700ms: androidx.camera.camera2.internal.Camera2CameraIm

Complete logs

03-17 11:56:38.024 8705-8705/? E/libprocessgroup: failed to make and chown /acct/uid_10058: Read-only file system
03-17 11:56:38.024 8705-8705/? W/Zygote: createProcessGroup failed, kernel missing CONFIG_CGROUP_CPUACCT?
03-17 11:56:38.025 8705-8705/? I/art: Not late-enabling -Xcheck:jni (already on)
03-17 11:56:38.482 8705-8705/io..cameraapp W/art: Verification of void androidx.lifecycle.ProcessLifecycleOwner$3.onActivityPreCreated(android.app.Activity, android.os.Bundle) took 406
03-17 11:56:38.555 8705-8720/io..cameraapp W/art: Suspending all threads took: 26.963ms
03-17 11:56:38.613 8705-8720/io..cameraapp I/art: Background sticky concurrent mark sweep GC freed 1576(107KB) AllocSpace objects, 0(0B) LOS objects, 0% free, 1299KB/1299KB, pause
03-17 11:56:38.899 8705-8705/io..cameraapp W/art: Before Android 4.1, method android.graphics.PorterDuffColorFilter androidx.vectordrawable.graphics.drawable.VectorDrawableCompat.
android.graphics.PorterDuff$Mode) would have incorrectly overridden the package-private method in android.graphics.drawable.Drawable
03-17 11:56:39.418 8705-8728/io..cameraapp D/OpenGLRenderer: Use EGL_SWAP_BEHAVIOR_PRESERVED: true

```
03-17 11:56:39.428 8705-8705/io..cameraapp D/Atlas: Validating map...
03-17 11:56:39.493 8705-8728/io..cameraapp I/OpenGLRenderer: Initialized EGL, version 1.4
03-17 11:56:39.495 8705-8728/io..cameraapp W/OpenGLRenderer: Failed to choose config with EGL_SWAP_BEHAVIOR_PRESERVED, retrying without...
03-17 11:56:39.508 8705-8728/io..cameraapp D/EGL_emulation: eglCreateContext: 0xae834ee0: maj 2 min 0 rcv 2
03-17 11:56:39.513 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)
03-17 11:56:39.517 8705-8728/io..cameraapp D/OpenGLRenderer: Enabling debug mode 0
03-17 11:56:39.538 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)
03-17 11:56:42.587 8705-8735/io..cameraapp I/CameraManagerGlobal: getCameraService: Reconnecting to camera service
03-17 11:56:42.628 8705-8735/io..cameraapp D/CameraRepository: Added camera: 0
03-17 11:56:42.644 8705-8735/io..cameraapp I/Camera2CameraInfo: Device Level: INFO_SUPPORTED_HARDWARE_LEVEL_LEGACY
03-17 11:56:42.646 8705-8735/io..cameraapp D/CameraRepository: Added camera: 1
03-17 11:56:42.649 8705-8735/io..cameraapp I/Camera2CameraInfo: Device Level: INFO_SUPPORTED_HARDWARE_LEVEL_LEGACY
03-17 11:56:42.652 8705-8735/io..cameraapp D/UseCaseAttachState: Active and attached use case: [] for camera: 1
03-17 11:56:42.653 8705-8737/io..cameraapp D/UseCaseAttachState: Active and attached use case: [] for camera: 0
03-17 11:56:42.823 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)
03-17 11:56:42.826 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)
03-17 11:56:43.194 8705-8705/io..cameraapp E/RecyclerView: No adapter attached; skipping layout
03-17 11:56:43.213 8705-8705/io..cameraapp D/CameraOrientationUtil: getRelativeImageRotation: destRotationDegrees=0, sourceRotationDegrees=90, isOppositeFacing=false, result=90
03-17 11:56:43.213 8705-8705/io..cameraapp D/CameraOrientationUtil: getRelativeImageRotation: destRotationDegrees=0, sourceRotationDegrees=90, isOppositeFacing=false, result=90
03-17 11:56:43.214 8705-8705/io..cameraapp D/CameraOrientationUtil: getRelativeImageRotation: destRotationDegrees=0, sourceRotationDegrees=90, isOppositeFacing=false, result=90
03-17 11:56:43.214 8705-8705/io..cameraapp D/CameraOrientationUtil: getRelativeImageRotation: destRotationDegrees=0, sourceRotationDegrees=90, isOppositeFacing=false, result=90
03-17 11:56:43.217 8705-8705/io..cameraapp D/DeferrableSurface: Surface created[total_surfaces=1, used_surfaces=0](androidx.camera.core.SurfaceRequest$2@384d6ec6}
03-17 11:56:43.218 8705-8705/io..cameraapp D/CameraOrientationUtil: getRelativeImageRotation: destRotationDegrees=0, sourceRotationDegrees=90, isOppositeFacing=false, result=90
03-17 11:56:43.223 8705-8705/io..cameraapp D/DeferrableSurface: Surface created[total_surfaces=2, used_surfaces=0](androidx.camera.core.impl.ImmediateSurface@29cae1dd}
03-17 11:56:43.224 8705-8737/io..cameraapp D/Camera2CameraImpl: {Camera@176fffa5[id=1]} Use case ImageCapture:androidx.camera.core.ImageCapture-26f0b777-4dd9-428a-946d-15
03-17 11:56:43.225 8705-8737/io..cameraapp D/UseCaseAttachState: Active and attached use case: [] for camera: 1
03-17 11:56:43.225 8705-8737/io..cameraapp D/Camera2CameraImpl: {Camera@176fffa5[id=1]} Use case Preview:androidx.camera.core.Preview-138f95b0-26bc-4fe5-ba5a-6e5a206bae3f A
03-17 11:56:43.225 8705-8737/io..cameraapp D/UseCaseAttachState: Active and attached use case: [] for camera: 1
03-17 11:56:43.225 8705-8737/io..cameraapp D/Camera2CameraImpl: {Camera@176fffa5[id=1]} Use case ImageCapture:androidx.camera.core.ImageCapture-26f0b777-4dd9-428a-946d-15
03-17 11:56:43.225 8705-8737/io..cameraapp D/UseCaseAttachState: Active and attached use case: [] for camera: 1
03-17 11:56:43.225 8705-8737/io..cameraapp D/UseCaseAttachState: Active and attached use case: [] for camera: 1
03-17 11:56:43.226 8705-8737/io..cameraapp D/Camera2CameraImpl: {Camera@176fffa5[id=1]} Use cases [Preview:androidx.camera.core.Preview-138f95b0-26bc-4fe5-ba5a-6e5a206bae3f
ATTACHED
03-17 11:56:43.227 8705-8705/io..cameraapp I/Choreographer: Skipped 32 frames!  The application may be doing too much work on its main thread.
03-17 11:56:43.227 8705-8737/io..cameraapp D/UseCaseAttachState: All use case: [androidx.camera.core.ImageCapture-26f0b777-4dd9-428a-946d-1587701f4984834960634, androidx.cam
03-17 11:56:43.227 8705-8737/io..cameraapp D/Camera2CameraImpl: mMeteringRepeating is ATTACHED, SessionConfig Surfaces: 2, CaptureConfig Surfaces: 1
03-17 11:56:43.228 8705-8737/io..cameraapp D/UseCaseAttachState: Active and attached use case: [androidx.camera.core.ImageCapture-26f0b777-4dd9-428a-946d-1587701f498483496(
03-17 11:56:43.229 8705-8737/io..cameraapp D/Camera2CameraImpl: {Camera@176fffa5[id=1]} Resetting Capture Session
03-17 11:56:43.229 8705-8737/io..cameraapp D/Camera2CameraImpl: {Camera@176fffa5[id=1]} Releasing session in state INITIALIZED
03-17 11:56:43.230 8705-8737/io..cameraapp D/CameraStateRegistry: tryOpenCamera(Camera@176fffa5[id=1]) [Available Cameras: 1, Already Open: false (Previous state: null)] --> SUCCES:
03-17 11:56:43.230 8705-8737/io..cameraapp D/CameraStateRegistry: Recalculating open cameras:
  Camera                          State
  -----------------------------------------------------------
  Camera@176fffa5[id=1]           OPENING
  Camera@1fd260b3[id=0]           UNKNOWN
  -----------------------------------------------------------
  Open count: 1 (Max allowed: 1)
03-17 11:56:43.230 8705-8737/io..cameraapp D/Camera2CameraImpl: {Camera@176fffa5[id=1]} Transitioning camera internal state: INITIALIZED --> OPENING
03-17 11:56:43.230 8705-8737/io..cameraapp D/Camera2CameraImpl: {Camera@176fffa5[id=1]} Opening camera.
03-17 11:56:43.230 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)
03-17 11:56:43.230 8705-8737/io..cameraapp D/UseCaseAttachState: All use case: [androidx.camera.core.ImageCapture-26f0b777-4dd9-428a-946d-1587701f4984834960634, androidx.cam
03-17 11:56:43.246 8705-8737/io..cameraapp I/CameraManager: Using legacy camera HAL.
03-17 11:56:43.377 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)
03-17 11:56:43.428 8705-8705/io..cameraapp D/PreviewView: Surface requested by Preview.
03-17 11:56:43.431 8705-8705/io..cameraapp E/RecyclerView: No adapter attached; skipping layout
03-17 11:56:43.434 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)
03-17 11:56:43.442 8705-8705/io..cameraapp D/TextureViewImpl: SurfaceTexture available. Size: 640x480
03-17 11:56:43.442 8705-8705/io..cameraapp D/TextureViewImpl: Surface set on Preview.
03-17 11:56:43.456 8705-8705/io..cameraapp D/PreviewView: Preview transformation info updated. TransformationInfo{cropRect=Rect(0, 0 - 640, 480), rotationDegrees=90, targetRotation=(
03-17 11:56:43.456 8705-8705/io..cameraapp D/PreviewTransform: Transformation info set: TransformationInfo{cropRect=Rect(0, 0 - 640, 480), rotationDegrees=90, targetRotation=0} 640x4
03-17 11:56:43.464 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)
03-17 11:56:43.793 8705-8705/io..cameraapp E/RecyclerView: No adapter attached; skipping layout
03-17 11:56:43.810 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)
03-17 11:56:48.252 8705-8737/io..cameraapp E/CameraDeviceUserShim: waitForOpen - Camera failed to open after timeout of 5000 ms
03-17 11:56:48.253 8705-8737/io..cameraapp D/Camera2CameraImpl: {Camera@176fffa5[id=1]} Use case Preview:androidx.camera.core.Preview-138f95b0-26bc-4fe5-ba5a-6e5a206bae3f A
03-17 11:56:48.253 8705-8737/io..cameraapp D/UseCaseAttachState: Active and attached use case: [androidx.camera.core.ImageCapture-26f0b777-4dd9-428a-946d-1587701f498483496(
03-17 11:56:48.253 8705-8737/io..cameraapp D/Camera2CameraImpl: {Camera@176fffa5[id=1]} Use case ImageCapture:androidx.camera.core.ImageCapture-26f0b777-4dd9-428a-946d-15
03-17 11:56:48.254 8705-8737/io..cameraapp D/UseCaseAttachState: Active and attached use case: [androidx.camera.core.ImageCapture-26f0b777-4dd9-428a-946d-1587701f498483496(
03-17 11:56:48.254 8705-8737/io..cameraapp D/Camera2CameraImpl: CameraDevice.onError(): 1 failed with ERROR_CAMERA_DEVICE while in OPENING state. Will attempt recovering from
03-17 11:56:48.254 8705-8737/io..cameraapp D/Camera2CameraImpl: Attempt to reopen camera[1] after error[ERROR_CAMERA_DEVICE]
03-17 11:56:48.254 8705-8737/io..cameraapp D/Camera2CameraImpl: {Camera@176fffa5[id=1]} Transitioning camera internal state: OPENING --> REOPENING
03-17 11:56:48.254 8705-8737/io..cameraapp D/Camera2CameraImpl: {Camera@176fffa5[id=1]} Resetting Capture Session
03-17 11:56:48.254 8705-8737/io..cameraapp D/Camera2CameraImpl: {Camera@176fffa5[id=1]} Releasing session in state REOPENING
03-17 11:56:48.255 8705-8737/io..cameraapp D/UseCaseAttachState: Active and attached use case: [androidx.camera.core.ImageCapture-26f0b777-4dd9-428a-946d-1587701f498483496(
03-17 11:56:48.256 8705-8735/io..cameraapp D/Camera2CameraImpl: {Camera@176fffa5[id=1]} CameraDevice.onClosed()
03-17 11:56:48.257 8705-8735/io..cameraapp D/Camera2CameraImpl: {Camera@176fffa5[id=1]} Camera closed due to error: ERROR_CAMERA_DEVICE
03-17 11:56:48.257 8705-8735/io..cameraapp D/Camera2CameraImpl: {Camera@176fffa5[id=1]} Attempting camera re-open in 700ms: androidx.camera.camera2.internal.Camera2CameraIn
03-17 11:56:48.962 8705-8737/io..cameraapp D/Camera2CameraImpl: {Camera@176fffa5[id=1]} Cancelling scheduled re-open: androidx.camera.camera2.internal.Camera2CameraImpl$Sta
03-17 11:56:48.962 8705-8737/io..cameraapp D/CameraStateRegistry: tryOpenCamera(Camera@176fffa5[id=1]) [Available Cameras: 0, Already Open: true (Previous state: OPENING)] --> SU(
03-17 11:56:48.962 8705-8737/io..cameraapp D/CameraStateRegistry: Recalculating open cameras:
  Camera                          State
  -----------------------------------------------------------
  Camera@176fffa5[id=1]           OPENING
  Camera@1fd260b3[id=0]           UNKNOWN
  -----------------------------------------------------------
  Open count: 1 (Max allowed: 1)
```

03-17 11:56:48.962 8705-8737/io..cameraapp D/Camera2CameraImpl: {Camera@176fffa5[id=1]} Transitioning camera internal state: REOPENING --> OPENING
03-17 11:56:48.963 8705-8737/io..cameraapp D/Camera2CameraImpl: {Camera@176fffa5[id=1]} Opening camera.
03-17 11:56:48.963 8705-8737/io..cameraapp D/UseCaseAttachState: All use case: [androidx.camera.core.ImageCapture-26f0b777-4dd9-428a-946d-1587701f4984834960634, androidx.cam

Back camera black screen logs:

03-17 12:00:12.463 8705-8705/io..cameraapp D/CameraOrientationUtil: getRelativeImageRotation: destRotationDegrees=0, sourceRotationDegrees=270, isOppositeFacing=true, result=270
03-17 12:00:12.464 8705-8705/io..cameraapp D/DeferrableSurface: Surface created[total_surfaces=2, used_surfaces=0](androidx.camera.core.impl.ImmediateSurface@398eedd4}
03-17 12:00:12.464 8705-8735/io..cameraapp D/Camera2CameraImpl: {Camera@1fd260b3[id=0]} Use case ImageCapture:androidx.camera.core.ImageCapture-c4d37195-9f14-40a0-9edd-26
03-17 12:00:12.464 8705-8735/io..cameraapp D/UseCaseAttachState: Active and attached use case: [] for camera: 0
03-17 12:00:12.464 8705-8735/io..cameraapp D/Camera2CameraImpl: {Camera@1fd260b3[id=0]} Use case Preview:androidx.camera.core.Preview-878f3d25-5080-4358-abdf-46c15979d7e1
03-17 12:00:12.464 8705-8735/io..cameraapp D/UseCaseAttachState: Active and attached use case: [] for camera: 0
03-17 12:00:12.464 8705-8735/io..cameraapp D/Camera2CameraImpl: {Camera@1fd260b3[id=0]} Use case ImageCapture:androidx.camera.core.ImageCapture-c4d37195-9f14-40a0-9edd-26
03-17 12:00:12.465 8705-8735/io..cameraapp D/UseCaseAttachState: Active and attached use case: [] for camera: 0
03-17 12:00:12.465 8705-8735/io..cameraapp D/UseCaseAttachState: Active and attached use case: [] for camera: 0
03-17 12:00:12.465 8705-8735/io..cameraapp D/Camera2CameraImpl: {Camera@1fd260b3[id=0]} Use cases [Preview:androidx.camera.core.Preview-878f3d25-5080-4358-abdf-46c15979d7€
ATTACHED
03-17 12:00:12.465 8705-8735/io..cameraapp D/UseCaseAttachState: All use case: [androidx.camera.core.ImageCapture-c4d37195-9f14-40a0-9edd-2682fc6b390e527594010, androidx.cam
03-17 12:00:12.465 8705-8735/io..cameraapp D/Camera2CameraImpl: mMeteringRepeating is ATTACHED, SessionConfig Surfaces: 2, CaptureConfig Surfaces: 1
03-17 12:00:12.465 8705-8735/io..cameraapp D/UseCaseAttachState: Active and attached use case: [androidx.camera.core.ImageCapture-c4d37195-9f14-40a0-9edd-2682fc6b390e527594(
03-17 12:00:12.465 8705-8735/io..cameraapp D/Camera2CameraImpl: {Camera@1fd260b3[id=0]} Resetting Capture Session
03-17 12:00:12.465 8705-8735/io..cameraapp D/Camera2CameraImpl: {Camera@1fd260b3[id=0]} Releasing session in state INITIALIZED
03-17 12:00:12.465 8705-8735/io..cameraapp D/CameraStateRegistry: tryOpenCamera(Camera@1fd260b3[id=0]) [Available Cameras: 0, Already Open: false (Previous state: null)] --> FAIL
03-17 12:00:12.465 8705-8735/io..cameraapp D/Camera2CameraImpl: {Camera@1fd260b3[id=0]} No cameras available. Waiting for available camera before opening camera.
03-17 12:00:12.465 8705-8735/io..cameraapp D/Camera2CameraImpl: {Camera@1fd260b3[id=0]} Transitioning camera internal state: INITIALIZED --> PENDING_OPEN
03-17 12:00:12.465 8705-8735/io..cameraapp D/CameraStateRegistry: Recalculating open cameras:

Camera	State
Camera@176fffa5[id=1]	OPENING
Camera@1fd260b3[id=0]	PENDING_OPEN

Open count: 1 (Max allowed: 1)
03-17 12:00:12.466 8705-8735/io..cameraapp D/Camera2CameraImpl: {Camera@1fd260b3[id=0]} Use case Preview:androidx.camera.core.Preview-878f3d25-5080-4358-abdf-46c15979d7e1
03-17 12:00:12.466 8705-8735/io..cameraapp D/UseCaseAttachState: Active and attached use case: [androidx.camera.core.ImageCapture-c4d37195-9f14-40a0-9edd-2682fc6b390e527594(
03-17 12:00:12.466 8705-8735/io..cameraapp D/Camera2CameraImpl: {Camera@1fd260b3[id=0]} Use case ImageCapture:androidx.camera.core.ImageCapture-c4d37195-9f14-40a0-9edd-26
03-17 12:00:12.466 8705-8735/io..cameraapp D/UseCaseAttachState: Active and attached use case: [androidx.camera.core.ImageCapture-c4d37195-9f14-40a0-9edd-2682fc6b390e527594(
03-17 12:00:12.466 8705-8735/io..cameraapp D/UseCaseAttachState: Active and attached use case: [androidx.camera.core.ImageCapture-c4d37195-9f14-40a0-9edd-2682fc6b390e527594(
03-17 12:00:12.487 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)
03-17 12:00:12.532 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)
03-17 12:00:12.540 8705-8705/io..cameraapp E/RecyclerView: No adapter attached; skipping layout
03-17 12:00:12.558 8705-8705/io..cameraapp D/PreviewView: Surface requested by Preview.
03-17 12:00:12.559 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)
03-17 12:00:12.560 8705-8705/io..cameraapp D/TextureViewImpl: SurfaceTexture available. Size: 1280x720
03-17 12:00:12.560 8705-8705/io..cameraapp D/TextureViewImpl: Surface set on Preview.
03-17 12:00:12.583 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)
03-17 12:00:12.675 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)
03-17 12:00:12.676 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)
03-17 12:00:12.785 8705-8705/io..cameraapp D/PreviewView: Preview transformation info updated. TransformationInfo{cropRect=Rect(0, 0 - 1280, 720), rotationDegrees=270, targetRotatior
03-17 12:00:12.785 8705-8705/io..cameraapp D/PreviewTransform: Transformation info set: TransformationInfo{cropRect=Rect(0, 0 - 1280, 720), rotationDegrees=270, targetRotation=0} 12{
03-17 12:00:12.786 8705-8705/io..cameraapp E/RecyclerView: No adapter attached; skipping layout
03-17 12:00:12.787 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)
03-17 12:00:12.795 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)
03-17 12:00:12.809 8705-8705/io..cameraapp W/PathParser: Points are too far apart 4.000010940821801
03-17 12:00:12.809 8705-8705/io..cameraapp W/PathParser: Points are too far apart 4.000010940821801
03-17 12:00:12.809 8705-8705/io..cameraapp W/PathParser: Points are too far apart 4.004076536022944
03-17 12:00:12.809 8705-8705/io..cameraapp W/PathParser: Points are too far apart 4.004076536022915
03-17 12:00:12.810 8705-8705/io..cameraapp W/PathParser: Points are too far apart 4.004084325089051
03-17 12:00:12.810 8705-8705/io..cameraapp W/PathParser: Points are too far apart 4.004084325089051
03-17 12:00:12.810 8705-8705/io..cameraapp W/PathParser: Points are too far apart 4.006417463789489
03-17 12:00:12.811 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)
03-17 12:00:12.847 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)
03-17 12:00:12.877 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)
03-17 12:00:12.909 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)
03-17 12:00:13.260 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)
03-17 12:00:19.713 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)
03-17 12:00:19.732 8705-8728/io..cameraapp D/EGL_emulation: eglMakeCurrent: 0xae834ee0: ver 2 0 (tinfo 0xae839480)

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sc...@google.com <sc...@google.com> #18

Hi
Regarding the issue that camera can't open, can you share more information below ?
1) Which Use Cases were you using ?
2) Does that happen in specific device ? Can you share the device name ?
3) What is the occurrence rate ? I

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be...@gmail.com <be...@gmail.com> #19

Hi
Answers
1)- No Use case
2)- Thr are few devices on which this happens (all are client phones) vivo 1803 (OS- 8.1.0), Redmi Note 7 (OS- 10), Infinix X650C (OS- 9), Redmi 8 (OS- 9)
3)- 20 out of 100

sc...@google.com <sc...@google.com> #20

Hi Sorry for question (1) I mean which use cases (Preview / ImageAnalys / ImageCapture / VideoCapture) were you using ?

It will be better if you can provide some sample codes to us.

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be...@gmail.com <be...@gmail.com> #21

Hi No issues
as mentioned above in #3
Hi Scott
Thanks for replying!

```
 // Preview
        val preview = Preview.Builder().setTargetResolution(
            when (isImageCapture) {
                false-> android.util.Size(720, 1280)
                true-> android.util.Size(1080, 1920)
            }
        )
            .build()
            .also {
                it.setSurfaceProvider(viewFinder?.surfaceProvider)
            }
if (isImageCapture)
        imageCapture =
            ImageCapture.Builder()
                .setCaptureMode(ImageCapture.CAPTURE_MODE_MINIMIZE_LATENCY)
                .setTargetResolution(android.util.Size(1080, 1920))
                .build()
        else
            videoCapture = VideoCapture.Builder().apply {
                setTargetResolution(android.util.Size(720, 1280))
                setBitRate(8 * 720 * 720)
            }.build()

.....
...
val cameraSelector = if (isBackCamera) {
            CameraSelector.Builder()
                .requireLensFacing(CameraSelector.LENS_FACING_BACK)
                .build()
        } else {
            CameraSelector.Builder()
                .requireLensFacing(CameraSelector.LENS_FACING_FRONT)
                .build()
        }
 cameraInfo = if (!isImageCapture)
            cameraProvider.bindToLifecycle(
                this, cameraSelector, preview, videoCapture
            )
        else {

            cameraProvider.bindToLifecycle(
                this, cameraSelector, preview, imageCapture
            )
        }
```

videoCapture is only with back cameras. Facing issue in video and imagecapture both
Actually am not facing this issue on all devices (not on my testing devices). Clients are facing this issue but issue diminish when client restart his/her phone or clear all apps in background (

---

sc...@google.com <sc...@google.com> #22

I think currently we have 3 kind of issues.

1) java.lang.IllegalArgumentException: Unsupported sample encoding. Should be ENCODING_PCM_8BIT or ENCODING_PCM_16BIT.
    at android.media.AudioRecord.audioParamCheck(AudioRecord.java:404)
    at android.media.AudioRecord.<init>(AudioRecord.java:313)
    at android.media.AudioRecord.<init>(AudioRecord.java:226)
    at androidx.camera.core.VideoCapture.autoConfigAudioRecordSource(VideoCapture.java:930)

2) 03-17 12:05:20.705 4037-4090/io..cameraapp E/AndroidRuntime:
   FATAL EXCEPTION:
   java.lang.IllegalStateException
    at android.media.MediaCodec.native_dequeueOutputBuffer(Native Method)
    at android.media.MediaCodec.dequeueOutputBuffer(MediaCodec.java:1033)
    at androidx.camera.core.VideoCapture.videoEncode(VideoCapture.java:745)

3) black screen caused by CameraDevice.onError():
03-17 11:56:48.252 8705-8737/io..cameraapp E/CameraDeviceUserShim: waitForOpen - Camera failed to open after timeout of 5000 ms

03-17 11:56:48.254 8705-8737/io..cameraapp D/Camera2CameraImpl: CameraDevice.onError(): 1 failed with ERROR_CAMERA_DEVICE while in OPENING state. Will attempt recovering from

For (3) I suspect that it was caused by (2) and Camera HAL to broken because of it so it needs a reboot to recover , but judging from the log timestamp, it seems (2) happened AFTER (3). Ca

I think we can focus on fixing (1) and (2) and see if (3) will go away.

---

be...@gmail.com <be...@gmail.com> #23

Hi Scott
Sorry for replying late! Going through some rough period due to Covid
Let's solve 1 and 2 check what goes with 3. but for me, the major issue is 3rd one. Clients have to remove the app from Stack.

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ap...@google.com <ap...@google.com> #24

Project: platform/frameworks/support
Branch: androidx-main

commit 87347548d77c527bca8c4e2e6e6dbee4913ddb6a
Author: AL Ho <hoal@google.com>
Date: Wed May 26 03:14:47 2021

    Only use ENCODING_PCM_16BIT as audio input format

    1. This issue was happened whne the AudioRecord configed with
    ENCODING_PCM_16BIT and ENCODING_PCM_8BIT but failed.
    Then the legacy VideoCapture tried to config with ENCODING_PCM_FLOAT and
    it failed again.
    Because the ENCODING_PCM_FLOAT does not to be supported by AudioRecord
    on API22, 21.

    2. Only use ENCODING_PCM_16BIT because it's guaranteed to be supported by devices.

    Bug: 182236423
    Test: local devices (Moto G5, Samsung J2 prime) and manual test
    Change-Id: Ie705ec976e343c6dc1979995fd920dc272dfec4e

M   camera/camera-core/src/main/java/androidx/camera/core/VideoCapture.java

https://android-review.googlesource.com/1717473

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ho...@google.com <ho...@google.com> #25

Hi benlsoft, This patch intents to record audio with ⊖ENCODING_PCM_16BIT because it's guaranteed to be supported by devices.

Basically using ENCODING_PCM_16BIT to configure an audio record instance should work. But in this case, it looks like the VideoCapture configured the audio record instance failed, then it t
ENCODING_PCM_FLOAT, the legacy VideoCapture got that error message.

So, after the patch merged if there is still failed with ENCODING_PCM_16BIT, please to get full log or dump the bug report, that could help us to know the fail reason about configured with EN

---

ho...@google.com <ho...@google.com> #26

Accepted by ho...@google.com.

Hi benlsoft,

About the dequeuebuffer issue in ⊖comment#22:

Could you help to confirm with a higher API level (API 27 or later) or test it on a real device?

I am not sure why you need to test on emulator Pixel 2 with API 22, but your client's device API level is higher than API 22.

Depends on the log that you attached. It was from emulator Pixel 2 with API 22.

The legacy VideoCapture uses a software encoder (OMX.google.h264.encoder), the supported max resolution is (320, 240) for video recording, of course, I can have a patch to adjust the res

But there are still some known issues for this software encoder on API 22, for example this software encoder did not support RGBX_8888, so I cannot totally resolve this problem in API 22.

So it is better if you can help to confirm with a higher API level (API 27 or later) or test it on a real device.

---

ho...@google.com <ho...@google.com> #27

Assigned to be...@gmail.com.

Hi benlsoft,

So my suggestion is that if you want to test with an emulator, you can select a new API level such as 29, 30.

That is more close to your client phone status.

---

be...@gmail.com <be...@gmail.com> #28

be...@gmail.com <be...@gmail.com> #28

Assigned to be...@gmail.com.

Hi AL
Sorry for replying late!
Black Screen not only on Video mode but also on front camera image capture.
I tested the stable version (1.0.0) of the camera on a real device (Samsung Note 8 Android 9), encountered black screen issue even on front camera image capturing(Selfie mode) and after re
case (selfie, video). I will try to get logs from client.

📎 **vidma_recorder_27052021_175626.mp4**
1.6 MB   Download

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be...@gmail.com <be...@gmail.com> #29

Hi AL
Do you guys have Samsung Note 8 in your testing lab to check?
any update?

---

ho...@google.com <ho...@google.com> #30

Hi

I just check our devices in the lab, there is a Samsung Note 8 Andorid 8.0.

But I only can remote control it when it's available to access.

I will do some tests with stable version (1.0.0) ASAP.

---

be...@gmail.com <be...@gmail.com> #31

Thanks! That's great!

---

ho...@google.com <ho...@google.com> #32

Hi

I just test your case with our test App on Samsung Note 8 Android 8.

Test steps:

1. Open test app, enable Preview and ImageCapture.
2. Captures 20 photos
3. Disable ImageCapture, enable VideoCapture.
4. Start recording 3 video files.

I repeated above step 10 times. I did not see black preview issue.

Other questions:

In your comment in 🔗comment#21, is it necessary to set bit rate to 8 * 720 * 720?

Could you just use default values, VideoCapture will automatically assign a bitrate and the setTargetResolution as well.

Like this:

```
videoCapture = VideoCapture.Builder().build()
```

📎 **adb_acx-cm-01-04-02.acs.google.com_ce08171865e4180d057e_20210620150803.txt**
2.1 MB   View   Download

📎 **deleted**
0 B

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be...@gmail.com <be...@gmail.com> #33

Hi
So firstly, the phone my client is using is Samsung Note 8 with Android 9 and the issue that I faced was by following this sequence
13 photos back camera>1 video for 1:00 min>1 selfie front camera.
Mostly black screen comes in case of the selfie from front camera.
Secondly, the video we capture need to be uploaded on a server from a mobile network, and some clients have network constraints so we need to make video of less size. So yes resolution a

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wu...@google.com <wu...@google.com>

Reassigned to ho...@google.com.

---

be...@gmail.com <be...@gmail.com> #34

any update guys?

sc...@google.com <sc...@google.com> #35

Reassigned to le...@google.com.

Hi Behlsoft,
Sorry for the delay but we are now focusing on official camera-video library release. It will definitely fix this black screen issues.
This hidden VideoCapture APIs will be removed once new camera-video library is released.

Scott

le...@google.com <le...@google.com> #36

Hi benlsoft,

Is it possible to attach your APK here or may I download it from somewhere?

le...@google.com <le...@google.com>

Reassigned to be...@gmail.com.

wu...@google.com <wu...@google.com> #37

Hello behlsoft, can you provide your APK or give us a link so we can try it out?

wu...@google.com <wu...@google.com> #38

Hello behlsoft, the Video Capture library is officially launched last week! Can you please try it and let us know if you still experience the same issue?

be...@gmail.com <be...@gmail.com> #39

Hello Team
Sorry for replying late!
will surely check the latest version of camerax (Video Capture and Image capture) and will update you with feedback. In addition to this will provide a demo apk if i get black screen issue in n

wu...@google.com <wu...@google.com> #40

Thank you for the update!

wu...@google.com <wu...@google.com> #41

Status: Won't Fix (Obsolete)

Hello,

Per discussion above, we have launched Video library. I'll close this ticket for now. Please reopen or create a new bug if you encounter a problem when using the new library. Thanks!