📁 Android Public Tracker   77754219 ▾

← ↻ ☆ BarcodeDetector doesn't work with Pixel 2 Camera   +1 ² | Hotlists (18) | Mark as Duplicate 🔔 ⋮

| Comments (28) | Dependencies | Duplicates (0) | Blocking (0) | Resources (10) |

[Fixed] Bug P3 (+)

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

📄 **DESCRIPTION** ol...@gmail.com created issue #1   Apr 9,

com.google.android.gms.vision.barcode.BarcodeDetector class works with all devices except Pixel 2. The code that I use is rather simple and is provided below. It works on all the models, but n

```
mCameraSource = new CameraSource
    .Builder(this, barcodeDetector)
    .setRequestedPreviewSize(height, width)
    .setAutoFocusEnabled (true)
    .build();

mCameraView.getHolder().addCallback(new SurfaceHolder.Callback() {
    @SuppressLint("MissingPermission")
    @Override
    public void surfaceCreated(SurfaceHolder holder) {

        try {
            mCameraSource.start(mCameraView.getHolder());
        } catch (IOException ie) {
            App.e("CAMERA SOURCE", ie.getMessage());
        }
    }

    @Override
    public void surfaceChanged(SurfaceHolder holder, int format, int width, int height) {
    }

    @Override
    public void surfaceDestroyed(SurfaceHolder holder) {
        mCameraSource.stop();
    }
});
barcodeDetector.setProcessor(new Detector.Processor<Barcode>() {
    @Override
    public void release() {
    }

    @Override
    public void receiveDetections(Detector.Detections<Barcode> detections) {

        final SparseArray<Barcode> barcodes = detections.getDetectedItems();

        final String url = barcodes.valueAt(0).displayValue;
        ... process code here ...
    }
});

}
```

✓ Links (5)

" ...ple is provided above. I can't provide the whole app's source code, but you can find the whole apk's binary at playstore: https://play.google.com/store/apps/details?id=info.gryb.gaservices&hl=en "
"https://github.com/expo/expo/issues/1461"
"https://issuetracker.google.com/hotlists/468606"
"http://gralloc.msm8992.so"
"05-04 12:20:19.651 25293-25466/info.gryb.bcd D/BARCODE: https://developer.android.com/   <--------------------------QR code scan result"

COMMENTS   [All comments   ▾]

◯ **ik...@gmail.com** <ik...@gmail.com> #2   Apr 9, 2

   Kodumu almak istiyorum

◯ **ku...@google.com** <ku...@google.com> #3   Apr 9, 2

   Assigned to ku...@google.com.

Thank you for reporting this issue. For us to further investigate this issue, please provide the following additional information:

Android build
Which Android build are you using? (e.g. OPM1.171019.011)

Device used
Which device did you use to reproduce this issue?

Steps to reproduce
Please provide a sample application or apk to reproduce the issue.
Also kindly mention the steps to be followed for reproducing the issue with the given sample application.

Expected output
Could you please explain the expected behavior.

Current output
Could you please explain the current behavior.

⬤ **ol...@gmail.com** <ol...@gmail.com> #4   Apr 9, 2(

Build: OPD1.170816.010
Device: : Pixel 2 (it's actually in the message)
Steps: run the code provided in the original message
Expected output: function receiveDetections should be called
Curent output: function receiveDetections is not called

⬤ **ku...@google.com** <ku...@google.com> #5   Apr 12, 2(

Please provide a sample application or apk to reproduce the issue.

⬤ **ol...@gmail.com** <ol...@gmail.com> #6   Apr 13, 2(

Sample is provided above. I can't provide the whole app's source code, but you can find the whole apk's binary at playstore: https://play.google.com/store/apps/details?id=info.gryb.gaservice
Use "+" button on the bottom to go to a scanner page and then try to scan a Google's QR Bar Code associated with a Google's 2FA account. Try it on a *real* Pixel 2 device. Emulator works fir
not use it to reproduce the bug.

⬤ **ku...@google.com** <ku...@google.com> #7   Apr 16, 2(

Thank you for the reply.
We tried to reproduce this issue on Pixel 2, Pixel and Nexus 5X, but unable to reproduce it.
So, please provide the following additional information:

Android bug report
After reproducing the issue, press the volume up, volume down, and power button simultaneously. This will capture a bug report on your device in the "bug reports" directory. Attach the bug r
issue.

Alternate method:
After reproducing the issue, navigate to developer settings, ensure 'USB debugging' is enabled, then enable 'Bug report shortcut'. To take bug report, hold the power button and select the 'Tak
option.

⬤ **ol...@gmail.com** <ol...@gmail.com> #8   Apr 17, 2(

Unfortunately, I can't. I don't have a real Pixel 2 device, but bug report came from my customer. The I've also found other people writing about the same. Were you able to scan a QR code usin
(https://play.google.com/store/apps/details?id=info.gryb.gaservices&hl=en) on Pixel 2?

Other developers speculate that Pixel 2 camera doesn't work with aspect 4:3, but works with 16:9

I've changed the aspect ratio to 16:9 if model is "Pixel 2*" in the latest apps's version (3.4.5)
In your testing code try to change it to 4:3, e.g.
setRequestedPreviewSize(640, 480)
I'll also contact the customer to see if I can get more details and if it works for him now.

Here is yet another thread where developers are struggling with the same problem. Would be great if you can comment.
https://github.com/expo/expo/issues/1461

⬤ **ku...@google.com** <ku...@google.com> #9   Apr 17, 2(

We are tested with latest apps(GAC Services) version (3.4.5) is not working in multiple devices(Pixel 2, Pixel, Nexus 5X, Moto X Play).
We observed below logs and It showing warning toast message (attached screenshot) :-
=====================================
04-17 12:26:34.698 15129-15129/info.gryb.gaservices E/[SA_SDK]SASdkConfig: Accessory Framework Not installed
04-17 12:26:34.699 15129-15129/info.gryb.gaservices E/[SA_SDK]SAAgent: SDK initialization failed!
                                            com.samsung.android.sdk.SsdkUnsupportedException: Accessory Framework Not installed
                                                at com.samsung.android.sdk.accessory.SA.initialize(Unknown Source:88)
                                                at com.samsung.android.sdk.accessory.SAAgent.onCreate(Unknown Source:128)
                                                at info.gryb.gaservices.MessageService.onCreate(MessageService.java:99)
                                                at android.app.ActivityThread.handleCreateService(ActivityThread.java:3339)
                                                at android.app.ActivityThread.-wrap4(Unknown Source:0)
                                                at android.app.ActivityThread$H.handleMessage(ActivityThread.java:1677)

```
                                        at android.os.Handler.dispatchMessage(Handler.java:106)
                                        at android.os.Looper.loop(Looper.java:164)
                                        at android.app.ActivityThread.main(ActivityThread.java:6494)
                                        at java.lang.reflect.Method.invoke(Native Method)
                                        at com.android.internal.os.RuntimeInit$MethodAndArgsCaller.run(RuntimeInit.java:438)
                                        at com.android.internal.os.ZygoteInit.main(ZygoteInit.java:807)
```
04-17 12:26:34.701 777-792/system_process V/ActivityManager: Attempted to start a foreground service (ComponentInfo{info.gryb.gaservices/info.gryb.gaservices.MessageService}) with a notification (no icon: Notification(channel=sample_channel_01 pri=0 contentView=null vibrate=null sound=null defaults=0x0 flags=0x40 color=0x00000000 vis=PRIVATE))
04-17 12:26:34.703 15129-10560/info.gryb.gaservices E/[SA_SDK]SAAgent: Samsung Accessory SDK cannot be initialized
04-17 12:26:34.703 15129-10560/info.gryb.gaservices E/[SA_SDK]SAAgent: ACCEPT_STATE_ERROR: 2049: Samsung Accessory SDK cannot be initialized. Device or Build not compatible. Pe
04-17 12:26:34.703 15129-10560/info.gryb.gaservices E/[SA_SDK]SAAgent: ACCEPT_STATE_ERROR: 2049: Samsung Accessory SDK cannot be initialized. Device or Build not compatible.
04-17 12:26:34.703 15129-10560/info.gryb.gaservices I/[SA_SDK]SAAgent: onError() -> ERROR_SDK_NOT_INITIALIZED
04-17 12:26:34.703 15129-10560/info.gryb.gaservices E/[SA_SDK]SASdkConfig: Accessory Framework Not installed
04-17 12:26:34.703 777-1251/system_process W/ActivityManager: Unable to start service Intent { act=com.samsung.accessory.api.ISAFrameworkManagerV2 pkg=com.samsung.accessory
04-17 12:26:34.703 15129-10560/info.gryb.gaservices E/[SA_SDK]SAAdapter: getDefaultAdapter: Binding to Accessory service failed!
04-17 12:26:34.704 15129-10560/info.gryb.gaservices E/[SA_SDK]SAAgent: Binding to Accessory Framework failed
```
                             com.samsung.android.sdk.accessory.c: Is the Samsung Accessory Service Framework installed?!
                                        at com.samsung.android.sdk.accessory.SAAdapter.a(Unknown Source:171)
                                        at com.samsung.android.sdk.accessory.SAAgent.a(Unknown Source:2)
                                        at com.samsung.android.sdk.accessory.SAAgent$b.handleMessage(Unknown Source:32)
                                        at android.os.Handler.dispatchMessage(Handler.java:106)
                                        at android.os.Looper.loop(Looper.java:164)
                                        at android.os.HandlerThread.run(HandlerThread.java:65)
```
04-17 12:26:34.704 15129-10560/info.gryb.gaservices E/[SA_SDK]SAAgent: ACCEPT_STATE_ERROR: 2048: Samsung Accessory Framework has died!! PeerAgent: null
04-17 12:26:34.704 15129-10560/info.gryb.gaservices E/[SA_SDK]SAAgent: ACCEPT_STATE_ERROR: 2048: Samsung Accessory Framework has died!!
===

So, please provide android bug report.

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ol...@gmail.com <ol...@gmail.com> #10   Apr 18, 20

Thanks for the investigating. Please notice, that all SA_SDK exceptions are not relevant to the camera problems. These are normal errors generated by Samsung Accessory Protocol (SAP) lib control. They will affect only ability to communicate to a Gear device. All other logic is not affected.

Do you have any working code snippet for BarCodeDetector that does works with Pixel2? As I've mentioned, there are a lot of messages on Internet stating that it doesn't work on Pixel 2.

Did you have a chance to review this feedback: https://github.com/expo/expo/issues/1461? They have many good insights, e.g. about video format used by Pixel 2 and 4:3 aspect ratio that

I think, you should create your own small apk using example that I've provided in the first message and test it on Pixel 2.

Your own investigation with my app has demonstrated that camera works on many devices, but not on Pixel 2. That's a bug by itself, indicating that Camera and BarCodeDetector API's behav different device types.

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ol...@gmail.com <ol...@gmail.com> #11   Apr 18, 20

I would create that small apk myself, but I don't have a Pixel 2 device to test it, and various devices that I do have - Acer tab, Galaxy 6s, Note 4, do work flawlessly.

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ol...@gmail.com <ol...@gmail.com> #12   Apr 18, 20

Actually, I've just created an APK without any SAP (and others) dependencies. I hope, it will simplify everything for you. Let me know if it works on Pixel 2.
BTW, even emulators show different pictures for these two: Galaxy renders in portrait mode, and Pixel 2 - in landscape. The most annoying thing is that there is no any API to change camera's clue?

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ol...@gmail.com <ol...@gmail.com> #13   Apr 18, 20

Before running the sample APK, don't forget to grant Camera permissions in Android's Settings. The sample app doesn't do it automatically.

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ku...@google.com <ku...@google.com> #14   Apr 18, 20

We are tested your sample app and APK (comment #12) is not working in multiple devices(Pixel 2, Pixel, Nexus 5X, Moto X Play) after grant Camera permissions.
So please provide android bug report.

ol...@gmail.com <ol...@gmail.com> #15

Sorry, I'm not sure what "bug report" you need. Probably you can provide
pointers. You have everything you need to investigate the root cause:

  - source code
  - apk
  - you can reproduce the bug in the sample app that I've created for you,
  because nobody wanted to do it on your side

What other information do you miss? Aren't you concerned about the fact
that Pixel 2 camera has problems with many apps, not only with mine, and
specifically with the bar code detector? I think, you should be a little
bit more pro active if you care about the quality of your products.

On Wed, Apr 18, 2018 at 3:26 AM, <buganizer-system@google.com> wrote:

- Show quoted text -

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ol...@gmail.com <ol...@gmail.com> #16

Yet another thing that I've noticed: all devices that you've listed are Google's ones. Isn't it odd that BarcodeDetector class, which is maintained by Google as well doesn't work with 4 Google's
works with others (confirmed by either me or users of my app):
Samsung Galaxy 6
Samsung Note 4
Samsung Galaxy J7
Xiaomi Redmi 5 Plus
Apparently, there is something specific to the Google devices' camera, and it should give you even more incentives to investigate, again, assuming that you do care about the quality of your p

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

Yet another device that was confirmed to be working correctly: Samsung Galaxy S8 with Android 7.1

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

Thank you for the reply.
We tried with attached sample code(bcd.tgz in comment #12) on a Pixel 2 device with Android O build(OPD1.170816.010) and Android P Developer Preview 1 build and its working fine. Attac
your reference.
So, please provide the android bug report for further investigation.

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

good..

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ol...@gmail.com <ol...@gmail.com> #20

Thanks again for researching and investigating, but I'm confused now. On 04/18 you wrote that it didn't work on "Pixel 2, Pixel, Nexus 5X, Moto X Play".
Now you're saying that it does work. Did you change anything in bcd app since 04/18? Please let me know what if you did, gms version maybe? Anything else?

I have com.google.android.gms:play-services-vision:12.0.1 in dependencies. Do you use the same?

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ku...@google.com <ku...@google.com> #21

Yes, I am using same app (bcd.tgz) attached in comment #12 with same dependencies.

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ol...@gmail.com <ol...@gmail.com> #22

Can you explain then please why it didn't work on 04/18 (see conversation #14)? What has changed since then?

---

ku...@google.com <ku...@google.com> #23

I had verified your issue with sample apk through UI at that time QR code was not showing any message.
later I have verified through logs it was working fine.
Please let us know can we close this issue.

---

ol...@gmail.com <ol...@gmail.com> #24

Thanks again. Can you please publish the mentioned logs or send them to me privately? I simply want to understand what those logs confirm exactly.

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

May 4, 2(

Please find the attached android bug report and Relevant Logs of your same app (bcd.tgz).

Relevant Logs:-
==
05-04 12:20:14.160 25293-25293/? I/zygote64: Late-enabling -Xcheck:jni
05-04 12:20:14.516 25293-25293/? I/InstantRun: starting instant run server: is main process
05-04 12:20:14.967 25293-25293/? W/DynamiteModule: Local module descriptor class for com.google.android.gms.vision.dynamite not found.
05-04 12:20:14.978 25293-25293/? W/zygote64: Unsupported class loader
05-04 12:20:14.983 25293-25293/? W/zygote64: Skipping duplicate class check due to unsupported classloader
05-04 12:20:14.987 25293-25293/? I/DynamiteModule: Considering local module com.google.android.gms.vision.dynamite:0 and remote module com.google.android.gms.vision.dynamite:1?
05-04 12:20:14.987 25293-25293/? I/DynamiteModule: Selected remote version of com.google.android.gms.vision.dynamite, version >= 1702
05-04 12:20:15.028 25293-25293/info.gryb.bcd W/zygote64: Unsupported class loader
05-04 12:20:15.268 25293-25293/info.gryb.bcd I/Vision: Loading library libbarhopper.so
05-04 12:20:15.276 25293-25293/info.gryb.bcd I/zygote64: The ClassLoaderContext is a special shared library.
05-04 12:20:15.281 25293-25293/info.gryb.bcd I/zygote64: The ClassLoaderContext is a special shared library.
05-04 12:20:15.320 25293-25293/info.gryb.bcd W/linker: "/data/data/com.google.android.gms/app_vision/barcode/libs/arm64-v8a/libbarhopper.so" unused DT entry: type 0x7fffffd arg 0x6
05-04 12:20:15.322 25293-25293/info.gryb.bcd I/Vision: libbarhopper.so library load status: true
05-04 12:20:15.341 25293-25293/info.gryb.bcd I/DynamiteModule: Considering local module com.google.android.gms.flags:2 and remote module com.google.android.gms.flags:0
05-04 12:20:15.341 25293-25293/info.gryb.bcd I/DynamiteModule: Selected local version of com.google.android.gms.flags
05-04 12:20:15.366 25293-25293/info.gryb.bcd D/GAC-SCAN: original camera x,y 536 525
05-04 12:20:15.411 25293-25396/info.gryb.bcd D/OpenGLRenderer: HWUI GL Pipeline
05-04 12:20:15.419 25293-25293/info.gryb.bcd I/Choreographer: Skipped 31 frames! The application may be doing too much work on its main thread.
05-04 12:20:15.453 25293-25298/info.gryb.bcd I/zygote64: Do partial code cache collection, code=30KB, data=25KB
05-04 12:20:15.453 25293-25298/info.gryb.bcd I/zygote64: After code cache collection, code=30KB, data=25KB
05-04 12:20:15.453 25293-25298/info.gryb.bcd I/zygote64: Increasing code cache capacity to 128KB
05-04 12:20:15.543 25293-25396/info.gryb.bcd I/Adreno: QUALCOMM build   : 8e59954, I0be83d0d26
                              Build Date   : 09/22/17
                              OpenGL ES Shader Compiler Version: EV031.21.02.00
                              Local Branch   : O17A
                              Remote Branch   :
                              Remote Branch   :
                              Reconstruct Branch   :
05-04 12:20:15.544 25293-25396/info.gryb.bcd D/vndksupport: Loading /vendor/lib64/hw/gralloc.msm8992.so from current namespace instead of sphal namespace.
05-04 12:20:15.553 25293-25396/info.gryb.bcd I/Adreno: PFP: 0x00000000, ME: 0x00000000
05-04 12:20:15.560 25293-25396/info.gryb.bcd I/zygote64: android::hardware::configstore::V1_0::ISurfaceFlingerConfigs::hasWideColorDisplay retrieved: 0
05-04 12:20:15.561 25293-25396/info.gryb.bcd I/OpenGLRenderer: Initialized EGL, version 1.4
05-04 12:20:15.562 25293-25396/info.gryb.bcd D/OpenGLRenderer: Swap behavior 2
05-04 12:20:15.593 25293-25293/info.gryb.bcd D/GAC-SCAN: SURF CREATED
05-04 12:20:15.810 25293-25293/info.gryb.bcd D/GAC-SCAN: SURF CHANGED536 525
05-04 12:20:15.810 25293-25293/info.gryb.bcd D/GAC-SCAN: Preview changed640 480
05-04 12:20:15.855 25293-25396/info.gryb.bcd D/vndksupport: Loading /vendor/lib64/hw/android.hardware.graphics.mapper@2.0-impl.so from current namespace instead of sphal namesp
05-04 12:20:15.857 25293-25396/info.gryb.bcd D/vndksupport: Loading /vendor/lib64/hw/gralloc.msm8992.so from current namespace instead of sphal namespace.
05-04 12:20:16.227 25293-25293/info.gryb.bcd V/View: dispatchProvideAutofillStructure(): not laid out, ignoring 0 children of 1073741839
05-04 12:20:16.232 25293-25293/info.gryb.bcd I/AssistStructure: Flattened final assist data: 4208 bytes, containing 1 windows, 17 views
05-04 12:20:19.651 25293-25466/info.gryb.bcd D/BARCODE: https://developer.android.com/   <------------------------QR code scan result
05-04 12:20:19.668 25293-25466/info.gryb.bcd D/BARCODE: https://developer.android.com/
05-04 12:20:19.703 25293-25466/info.gryb.bcd D/BARCODE: https://developer.android.com/
05-04 12:20:19.761 25293-25466/info.gryb.bcd D/BARCODE: https://developer.android.com/
05-04 12:20:19.826 25293-25466/info.gryb.bcd D/BARCODE: https://developer.android.com/
05-04 12:20:19.833 25293-25298/info.gryb.bcd I/zygote64: Do partial code cache collection, code=61KB, data=55KB

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ol...@gmail.com <ol...@gmail.com> #26

May 5, 2(

Thank you for posting the log. It indicates that bar code was retrieved successfully. If it works on Pixel2 indeed, we can close the ticket.

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

May 7, 2(

Marked as fixed.

As per comment #26 closing this issue as fixed.
Thanks

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

Jun 12, 2(

Hello,
I am facing a similar issue, where our app which is using mobile vision barcode detector api is unable to scan any barcode only on pixel 2 device.
I went through the comments on this thread, however i did not understand the exact cause for the behavior mentioned here.