

MediaRecorder preview shows black screen

+1¹

Hotlists (3)

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Comments (10)

Dependencies

Duplicates (0)

Blocking (0)

Resources (1)

Obsolete


Bug

P2

+ Add Hotlist

[AOSP] assigned

adexe s nau

 STATUS UPDATE

No update yet.

Edit

 DESCRIPTION

dm...@gmail.com created issue #1

Oct 28, 2020 12:21AM



In short, I was trying to record from one surface, which is actually output of Google MediaPipe while displaying preview to another surface. But the preview is black. Recording works fine. Please note that MediaPipe output seems to be working fine and as I could record the video properly, I feel that side of the world is fine so far even though the library is in alpha stage. So, it seems to be issue in MediaRecorder. I could not get any other example that reads from one Surface for recording and preview is another surface, without directly using camera.

Details : I created a surface for MediaPipe for output

```
_mRecorderSurface = MediaCodec.createPersistentInputSurface();
```

and set this for output for the MediaPipe as

```
processor.getVideoSurfaceOutput().setSurface(_mRecorderSurface);
```

This is the same surface I used as input source for MediaRecorder as

```
_mMediaRecorder.setVideoSource(MediaRecorder.VideoSource.SURFACE);
_mMediaRecorder.setInputSurface(_mRecorderSurface);
```

With this my recording works fine. I set SurfaceView as my preview display to which originally the MediaPipe output was set

```
_mMediaRecorder.setPreviewDisplay(SurfaceView.getHolder().getSurface());
```

With this even though recording works fine and I could play back the video, I see black output in preview screen. I tried calling the MediaRecorder initialization at different places, with same result. Preview is always black. I also confirmed that I call setPreviewDisplay before calling prepare() on MediaRecorder. Not sure if it helps, but some of the setting of MediaRecorder I have is

```
_mMediaRecorder.setOnInfoListener(null);
_mMediaRecorder.setOnErrorListener(null);

_mMediaRecorder.setAudioSource(MediaRecorder.AudioSource.MIC);
_mMediaRecorder.setOutputFormat(MediaRecorder.OutputFormat.MPEG_4);
_mMediaRecorder.setAudioEncoder(MediaRecorder.AudioEncoder.AAC);
_mMediaRecorder.setAudioSamplingRate(44100);
_mMediaRecorder.setAudioEncodingBitRate(96000);
_mMediaRecorder.setVideoEncoder(MediaRecorder.VideoEncoder.DEFAULT);
_mMediaRecorder.setVideoEncodingBitRate(12000000);
_mMediaRecorder.setVideoFrameRate(30);
```

Reporter  dm...@gmail.com

Type Bug

Priority P2

Severity S3


Status Won't fix (Obsolete)

Access Default access View

Assignee  am...@google.com

Verifier --

Collaborators  ^

CC  ^
am...@google.com
dm...@gmail.com
na...@google.com

AOSP ID --

ReportedBy Developer

Found In --

Targeted To --


Verified In --

In Prod 

✓ Links (1)

Hide all

 Links (1)


"Its used by  [JNL](#)."

kr...@ #7


COMMENTS

All comments

↓ Oldest first

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

Oct 28, 2020 01:47AM



Assigned to na...@google.com.

Thank you for reporting this issue. For us to further investigate this issue, please provide the following additional information:
Please provide sample project or apk to demonstrate the issue. Also mention the steps to be followed for reproducing the issue with the given sample project or apk.

Expected output
What is the expected output?

Current output
What is the current output?

Thanks.

dm...@gmail.com <dm...@gmail.com> [#3](#)

Oct 28, 2020 10:41PM

Hi, Thanks for the response. Here are the details.

Expected output : MediaRecorder should the preview in the surface provided for PreviewDisplay
















Current output : Nothing on the preview. But recording works fine.

I tried the creating the APK in Android Studio. But the debug APK is too big. Release APK build fails with some error code which I am trying resolve. Meantime, I am sending the original application I was trying to use. It is just a react native wrapper around Android Activity. The actual activity source code will be attached here.

How to run the app

1. Open the app,
2. Click on "Native activity". button which opens the "MyDummyActivity"
3. It will ask for permissions and show the preview with "Record" button.
4. If you don't see the preview even after 10 seconds, you may have to close the ap and open again.
5. On the preview window tapthe "Record" text. It will start recording. See the preview screen is frozen. This is the issue. This is when I use MediaRecorder and use the PreviewDisplay.

The recorded content is available in "Android\data\com.ardemo\files\ardemo"

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dm...@gmail.com <dm...@gmail.com> [#4](#)

Nov 1, 2020 01:10AM

Anybody working on this issue ?

dm...@gmail.com <dm...@gmail.com> [#5](#)

Nov 1, 2020 02:58AM

Sorry to comment again. But When I checked the source code of MediaRecorder.setPreviewDisplay(), which sets mSurface. But this object is not used anywhere.

am...@google.com <am...@google.com>

Nov 2, 2020 05:25PM

Reassigned to am...@google.com.

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


Nov 3, 2020 08:11PM

Thank you for reporting this issue. We've shared this with our product and engineering teams and will continue to provide updates as more information becomes available.

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

Feb 23, 2022 01:19AM

When I checked the source code of MediaRecorder.setPreviewDisplay(), which sets mSurface. But this object is not used anywhere.

Its used by .

Have you by any chance confirmed that the preview surface works when using the camera surface instead of the the GMP output? For similar use-case, some apps copy the data to a different preview surface using OpenGL draw.

Sorry to ask you after all this time, but do you know if by any chance the issue is still observed with recent version of Google MediaPipe? Or perhaps have you found a workaround that could lead us to the root cause? Thanks.

am...@google.com <am...@google.com> [#8](#)

Mar 23, 2022 07:04PM

Hi dma.....,

Please provide your feedback over [comment#7](#) to proceed further. Unfortunately the issue will be closed within 7 days if there is no further update.

Thanks



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

Mar 23, 2022 08:03PM ⋮

This can be closed as I am no more tracking this. We needed some immediate solution/workaround. I will check again in some time. But we don't have to keep the ticket open.



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

Mar 23, 2022 09:17PM ⋮

Status: Won't Fix (Obsolete)

Thanks for the update, closing it per the [comment#9](#).