

## User Manual for Android Pylon Application Kit



### Device Configuration:

- This application is only for smart phone with Android System
- Then smart phone should also have a Type C interface that supports USB 3.0
- Recommended software to use: Android 10 and above version
- Recommended screen resolution: 2400 x 1080
- Cable used: USB Type C to USB Micro B

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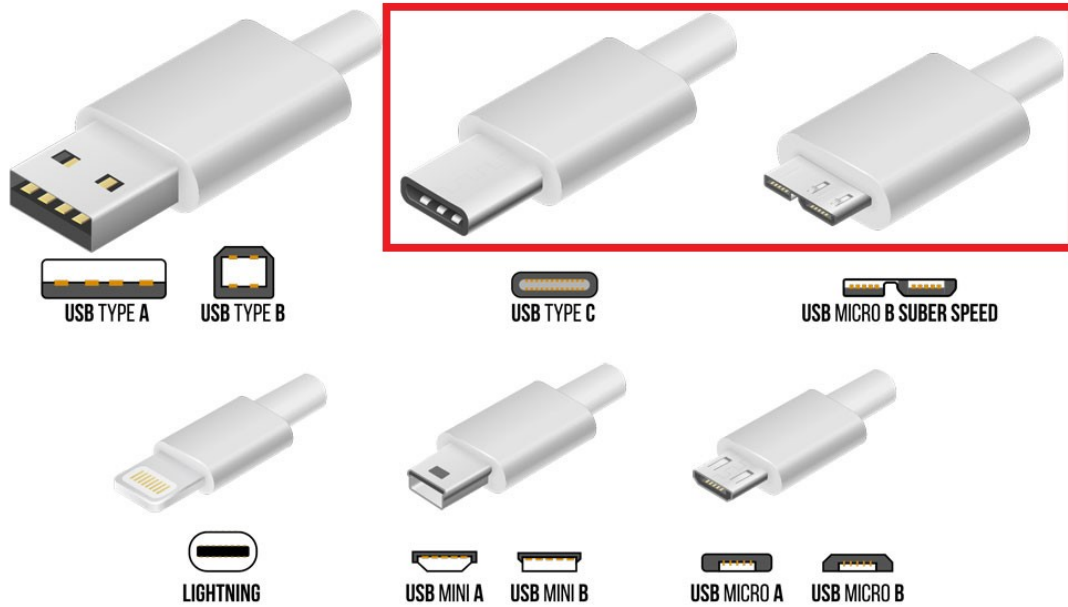
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# SODAVISION

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## Installation Guide:

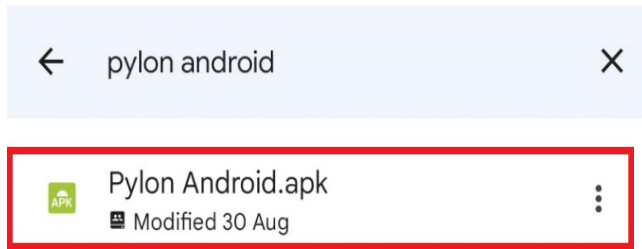
1. Prepare your smartphone, camera, and cable (USB Type C cable to USB Micro B).



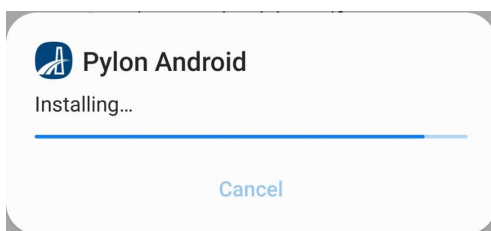
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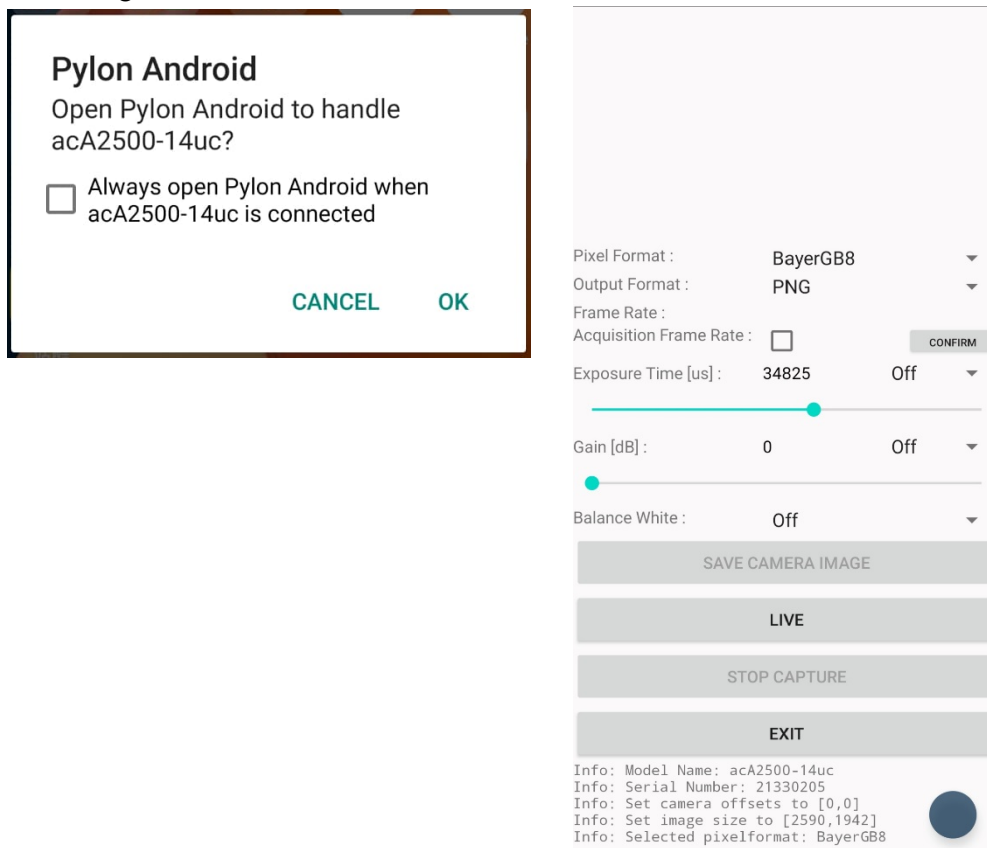
2. Go to Google Drive on the smartphone, and search for 'Pylon Android'.



3. Click on the 'Pylon Android.apk' file and proceed to install on your smartphone.



4. Allow **all** the permissions required by the application when the prompt request pop-up and proceed to connect the smartphone to camera.
5. A prompt dialog will appear on the smartphone screen, click on the 'Ok' button and the application will start to run. Once the application start running, you will see a screen as below on the right.

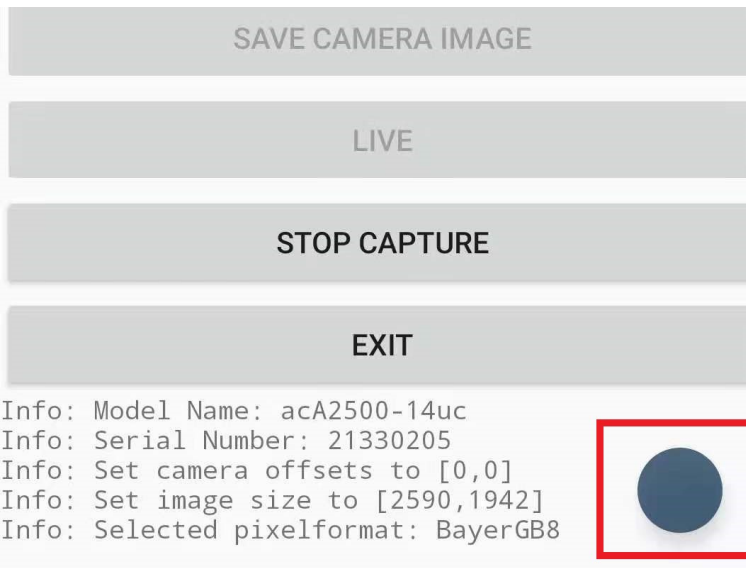


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## To turn into full screen view:

1. Press on the blue button, the live view will turn into full screen.



2. To return to the initial interface, press on the blue button again and it will revert to previous layout.

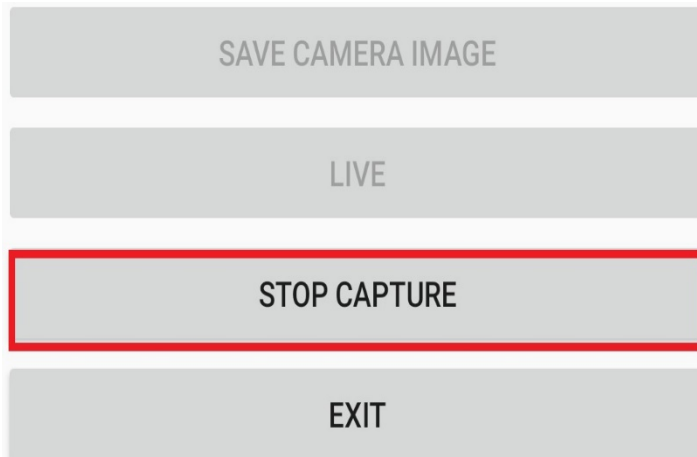


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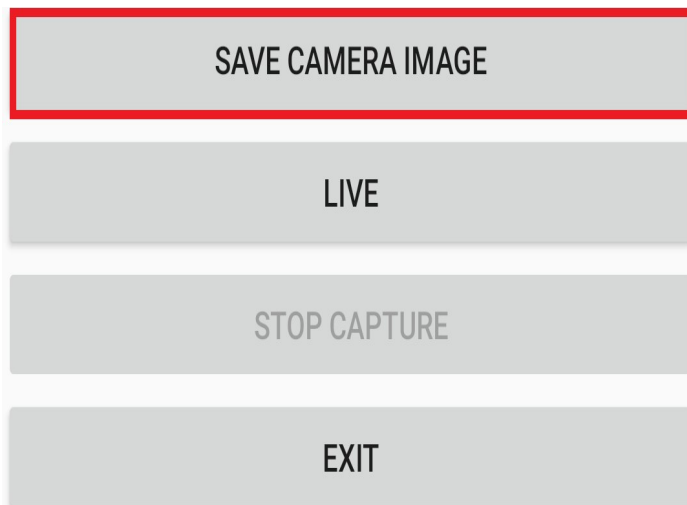
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**To capture and save images:**

1. Press 'STOP CAPTURE' at the bottom of the screen before you wish to save any images.

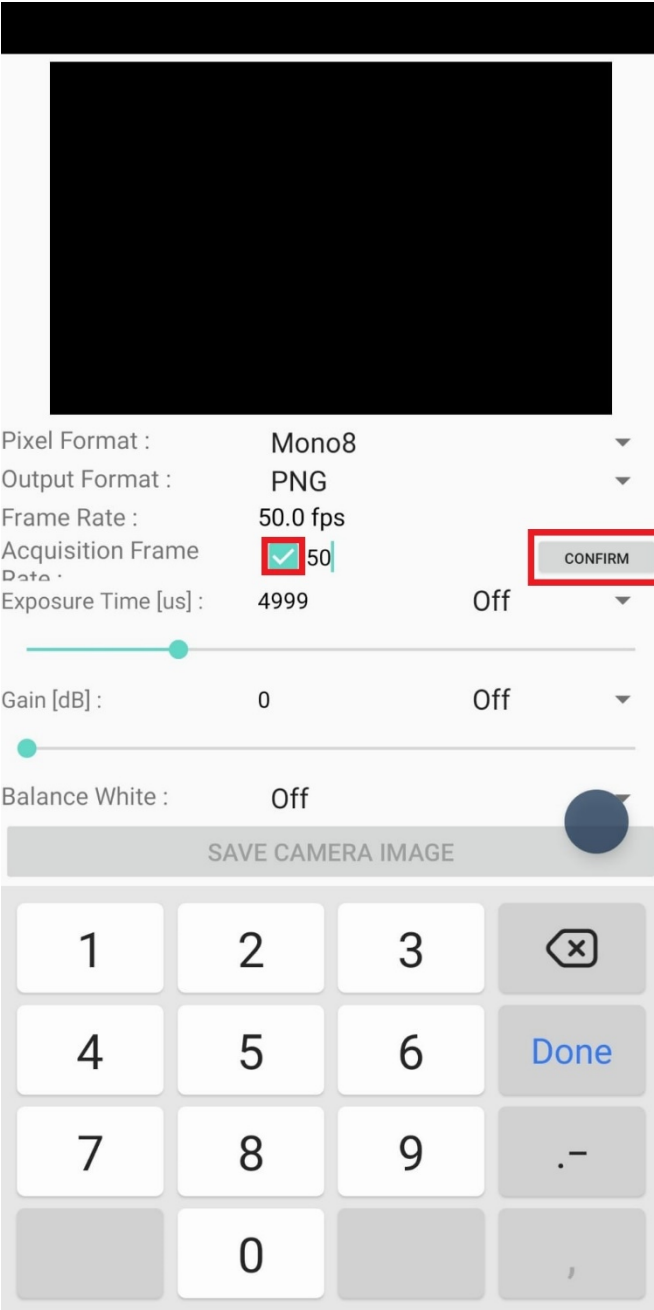


2. And proceed to click in 'SAVE CAMERA IMAGE' to save images.



## To change the acquisition frame rate:

1. If you wish to change the acquisition frame rate, tick the check box, and input the frame rate you would like to change to then click on the 'confirm' button.



The screenshot displays the Sodavision camera control interface. At the top is a large black rectangular area representing the camera's field of view. Below this, the settings are organized into rows. The 'Pixel Format' is set to 'Mono8' and the 'Output Format' is 'PNG'. The 'Frame Rate' is currently '50.0 fps'. The 'Acquisition Frame Rate' is set to '50', with a red box highlighting the checkmark icon and the input field. To the right of this, a 'CONFIRM' button is also highlighted with a red box. Below these settings, the 'Exposure Time [us]' is '4999' and 'Off'. A slider for 'Gain [dB]' is set to '0' and 'Off'. The 'Balance White' is 'Off'. A 'SAVE CAMERA IMAGE' button is located below the settings. At the bottom is a numeric keypad with buttons for digits 1-9, 0, a backspace button (X), a 'Done' button, and a decimal/underscore button (.-).

Pixel Format : Mono8

Output Format : PNG

Frame Rate : 50.0 fps

Acquisition Frame Rate ☒ 50 CONFIRM

Exposure Time [us] : 4999 Off

Gain [dB] : 0 Off

Balance White : Off

SAVE CAMERA IMAGE

1 2 3 X

4 5 6 Done

7 8 9 .-

0 ,

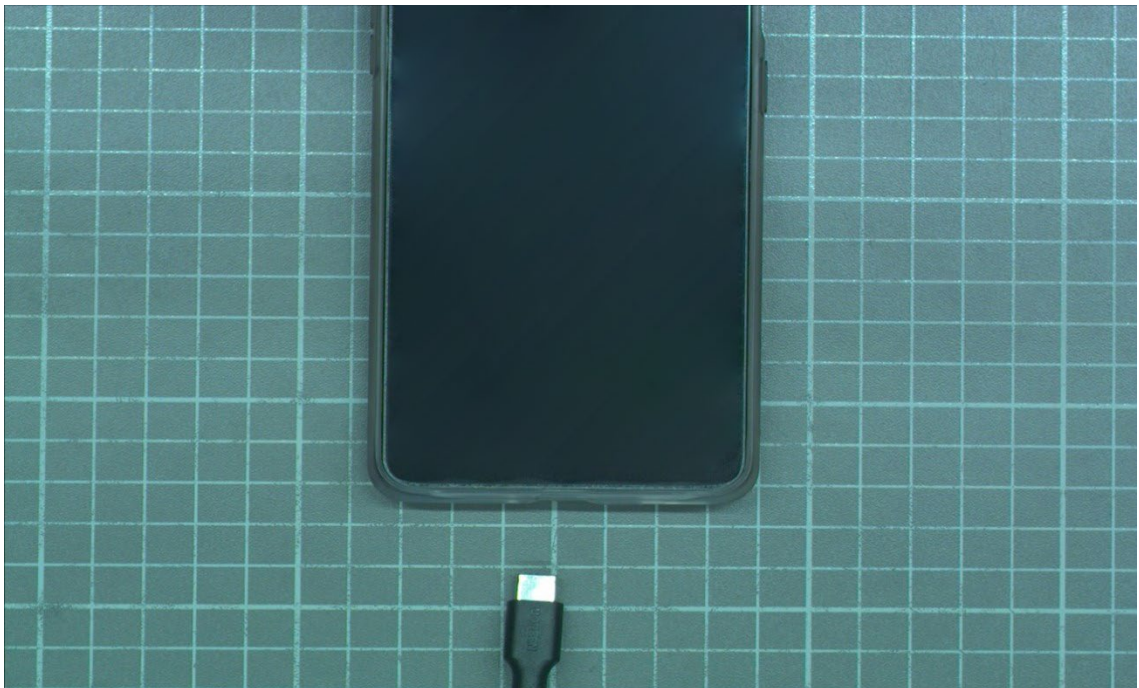
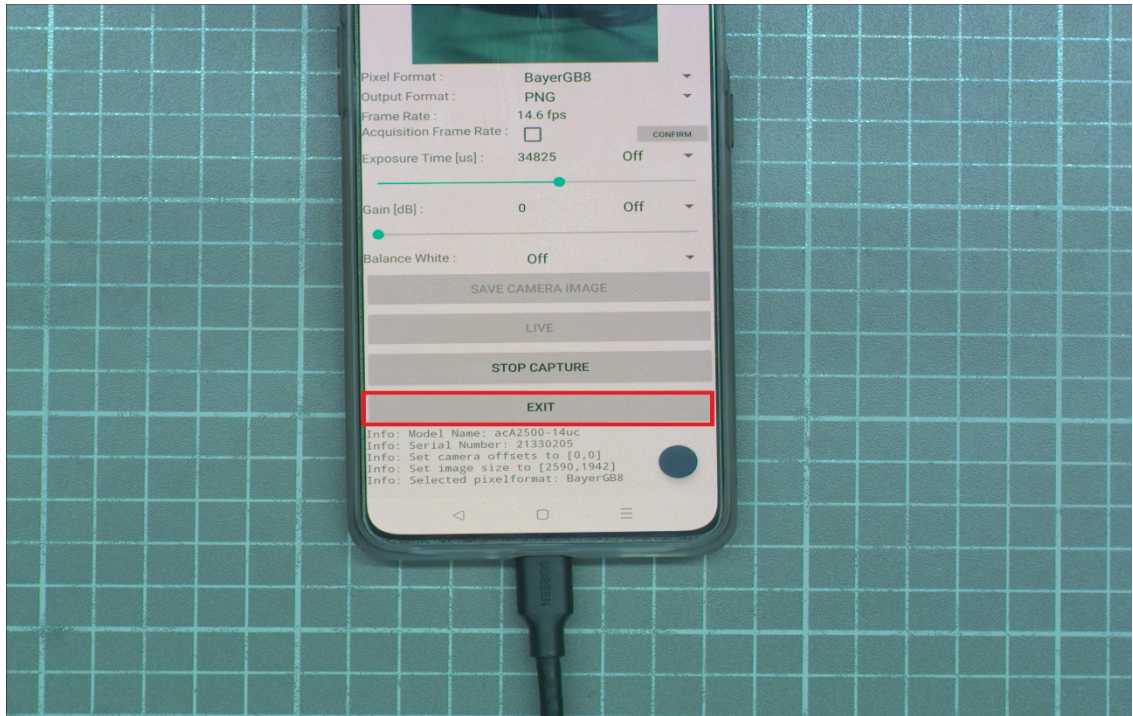
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## Important Note

1. Please click on the 'Exit' button before you disconnect the camera.
2. To connect to a new camera, please exit the application by clicking on the 'Exit' button before connecting to a new camera.



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