Opencamera settings

To help you get the best images

Opencamera

https://play.google.com/store/apps/details?id=net.sourceforge.opencamera&hl=en&gl=US

Free to use.

Allows Torch mode, camera selection, manual focus and zoom.

https://opencamera.sourceforge.io/help.html for online manual
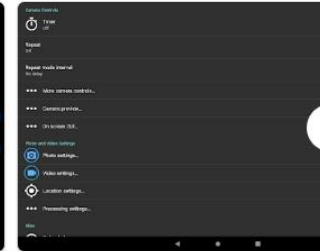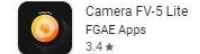
Open settings

Select Camera API2

Camera API 2

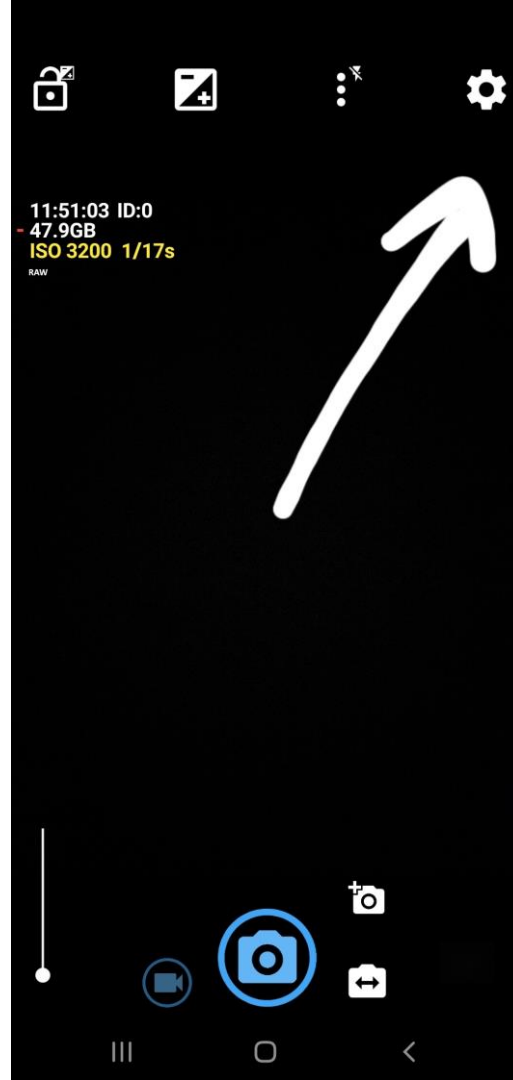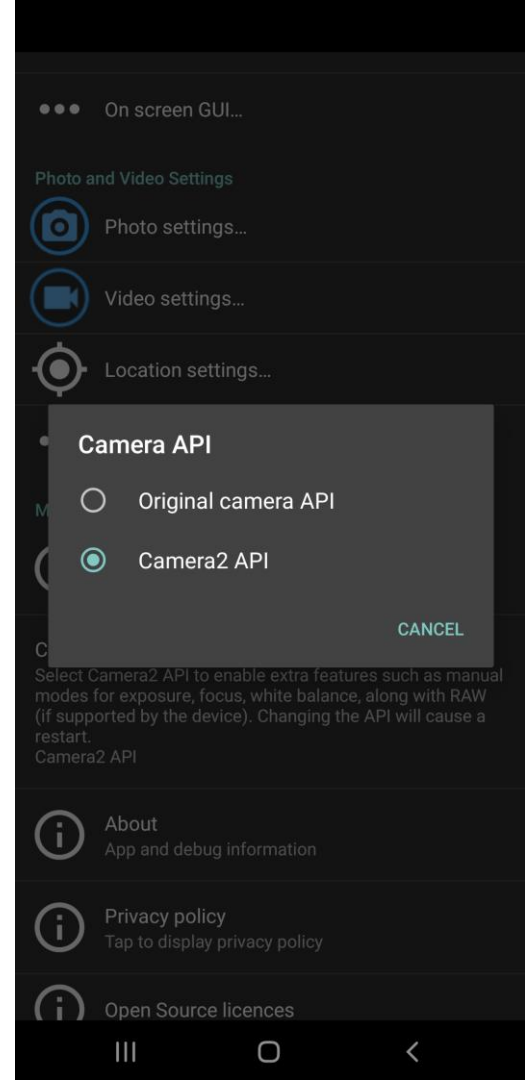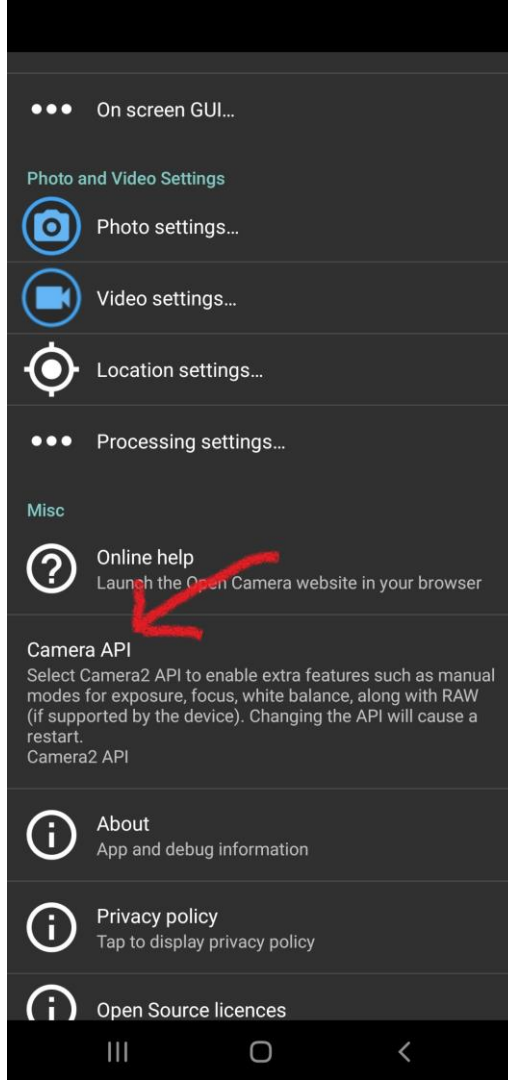Android cameras rely on small software packages called Camera API's – these allow the camera ap to communicate with the cameras.

The more complex commands e.g. manual focus, require Camera API 2 (the most up to date API).

Always start by selecting Camera 2 API however if your camera starts to crash revert to the original Camera API

select save options & file format

Chose JPG for the best compatibility, TIFFs and RAW DNGimages are not always viewable without specific software .

Chose High quality for JPG- this will increase file size but give you the best quality JPG image .

Chose JPG and RAW DNG- this will save two copies of the image , one in RAW DNG and one in JPG format - this will take lots of space but will allow you the best image quality of post processing of the image is required
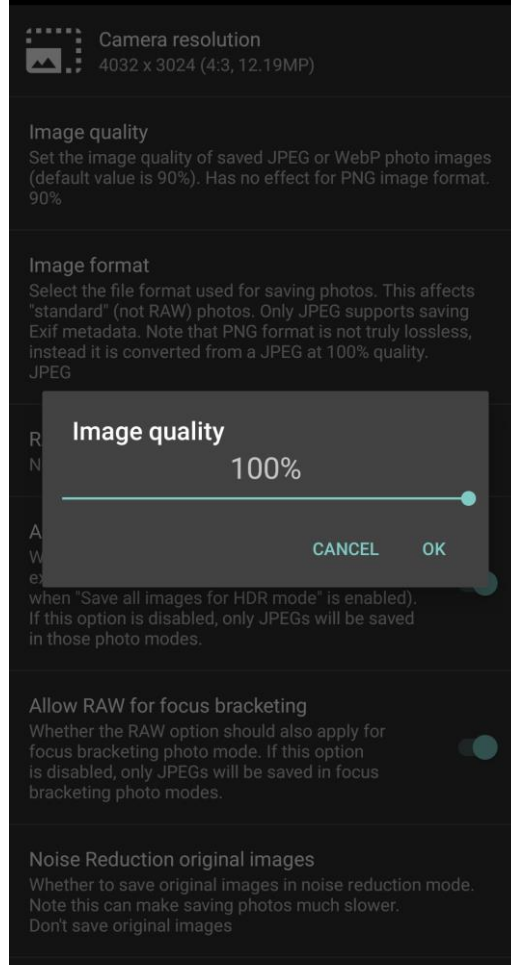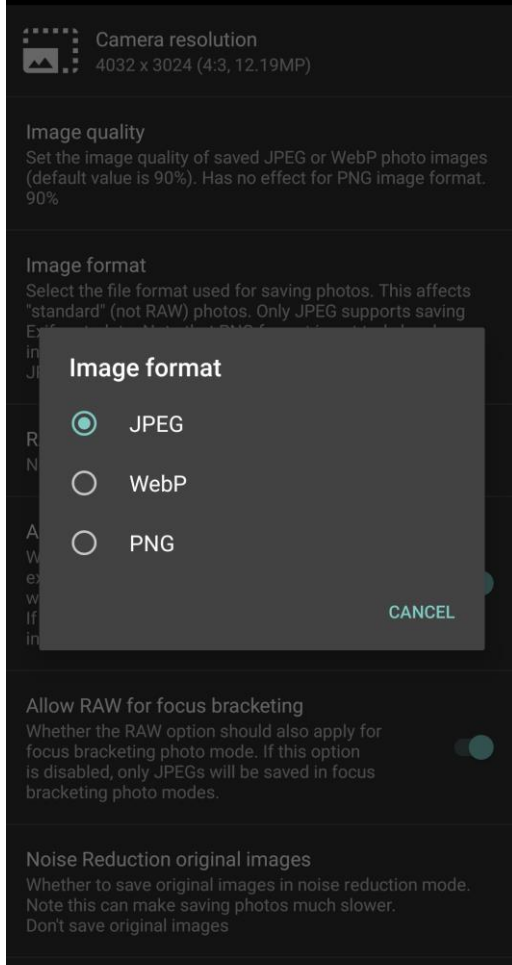
General & camera settings

1) Turn sound off – this stops the shutter sound which can startle patients
2) Volumesnap on - this allows you to take picture by pressing volume buttons- really helps when holding phone at an odd angle
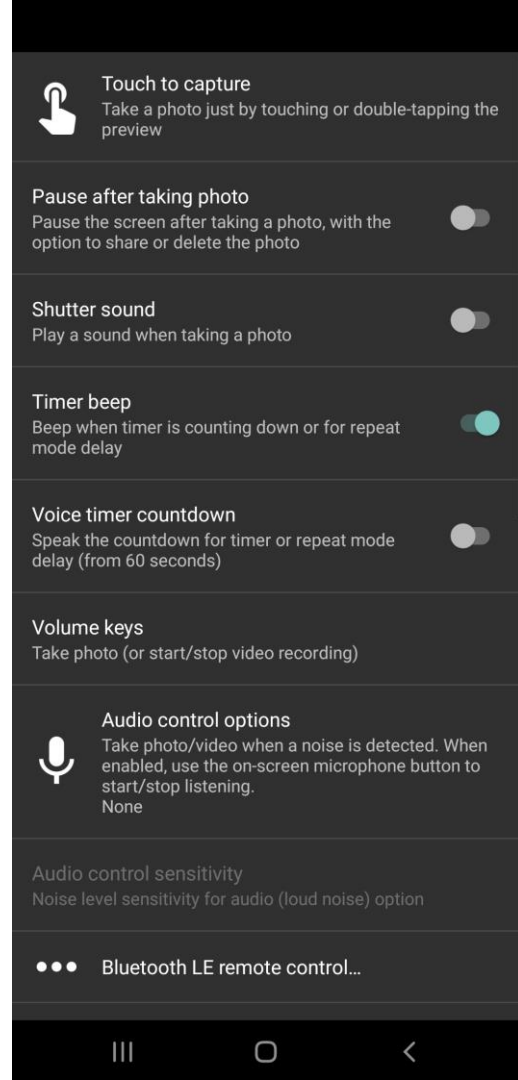
General & camera settings

1) Turn "focus peaking" – when focusing it will zoom on the selected area to ensure you are sharply focussed.
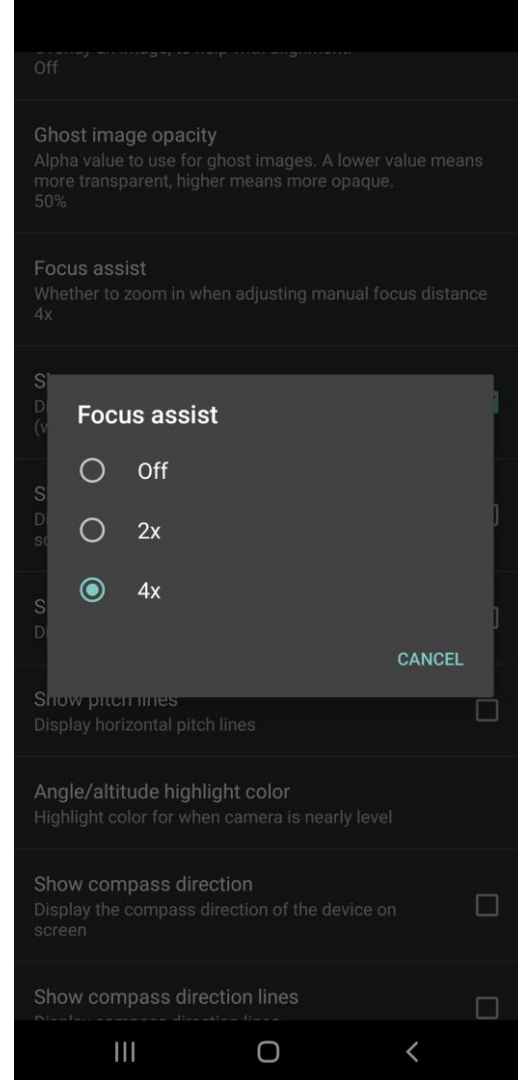2) Ensure focus assist is turned on and select maximum mutliple
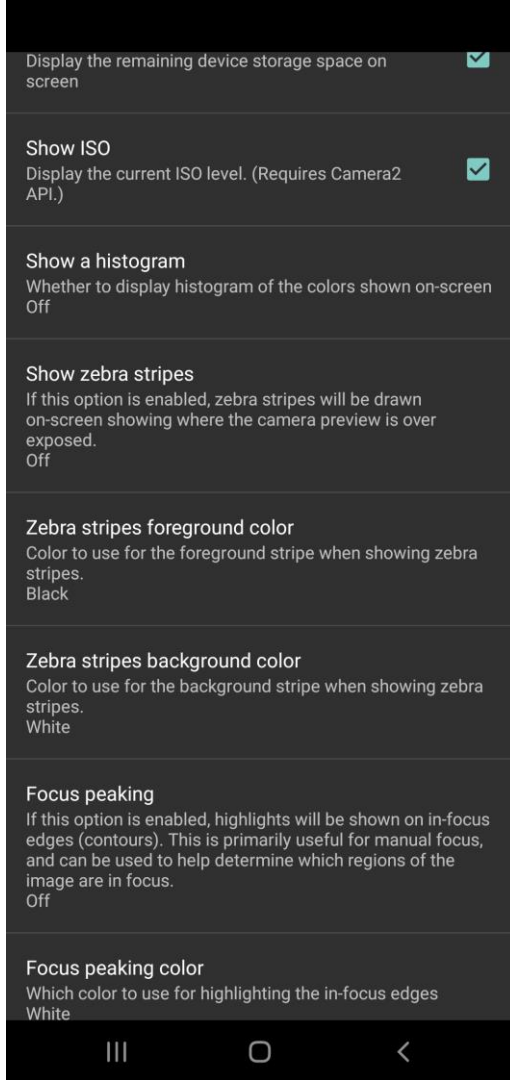
set up manual controls

Select advanced controls :

1) Full manual – on. The focus bar will then appear. (red arrow)
2) Always show – on. Allows you to see your shutter speed and ISO in real time so you know of there is enough light.
3) Note the zoom control bar below the focus bar
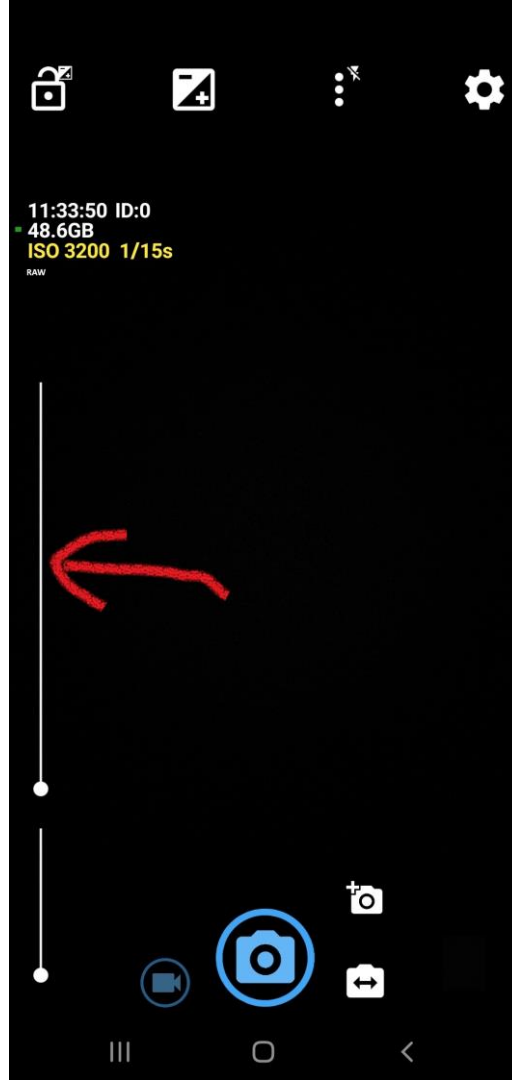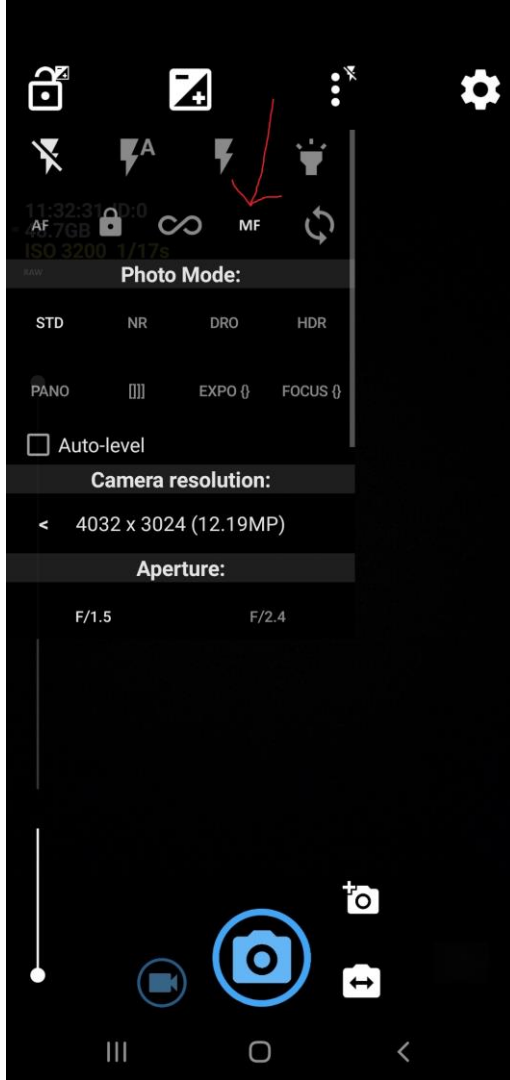
set up manual controls

Select advanced controls :
1) Full manual – on. The focus bar will then appear.
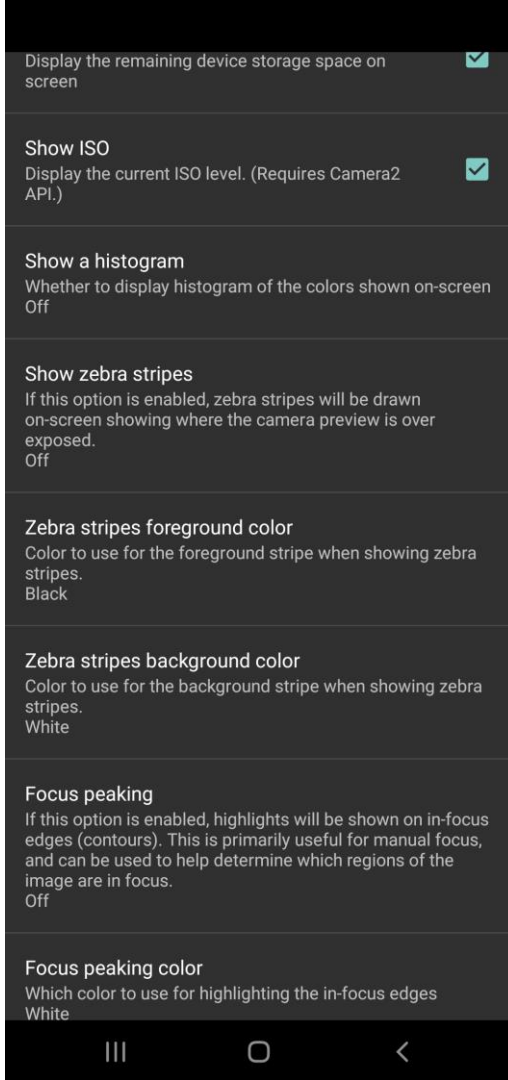2) Show ISO – on. Allows you to see your shutter speed and ISO in real time so you know of there is enough light.

Display the remaining device storage space on screen ✓

Show ISO
Display the current ISO level. (Requires Camera2 API.) ✓

Show a histogram
Whether to display histogram of the colors shown on-screen
Off

Show zebra stripes
If this option is enabled, zebra stripes will be drawn on-screen showing where the camera preview is over exposed.
Off

Zebra stripes foreground color
Color to use for the foreground stripe when showing zebra stripes.
Black

Zebra stripes background color
Color to use for the background stripe when showing zebra stripes.
White

Focus peaking
If this option is enabled, highlights will be shown on in-focus edges (contours). This is primarily useful for manual focus, and can be used to help determine which regions of the image are in focus.
Off

Focus peaking color
Which color to use for highlighting the in-focus edges
White

Light controls

1) Tap menu button (3 dots) at top: select torch icon to enter "torch mode" where the light is on continuously.
2) Note that torch mode is not always available with all cameras, if you can't find the torch mode select another camera (see next slide)

3) light intensity can only be changed be using a diffuse, micropore tape across the LED (2-3 strips) works well.
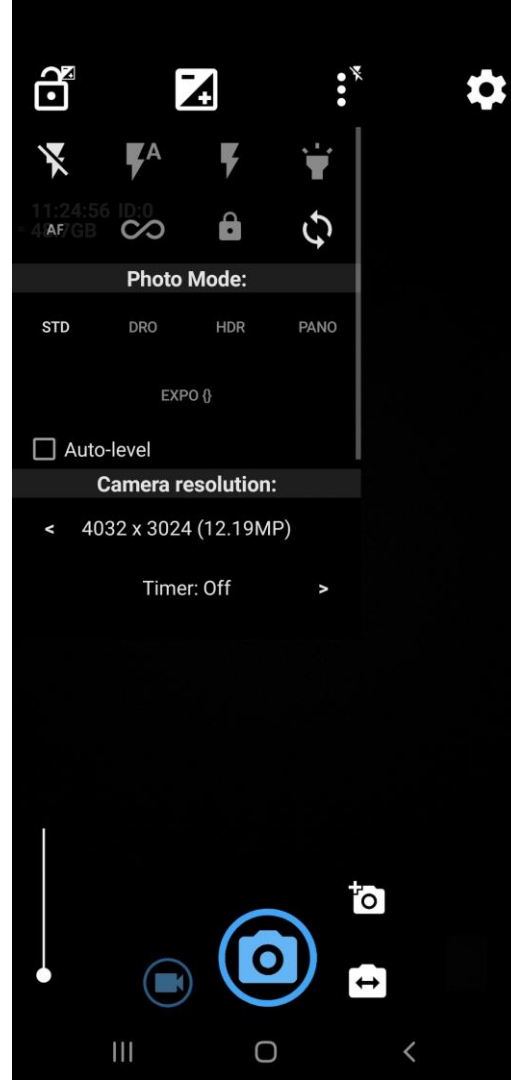
Select lens

1) Tap switch multi camera icon to change lens (below), green arrow
2) Camera ID will cycle through ID0-ID3 or 4. NB Not all cameras are selectable on all phones. Red arrow shows camera ID0 selected
3) For this camera – flash and torch is available noted by a flash icon next to the three dots menu icon