

Change resolution camera flea

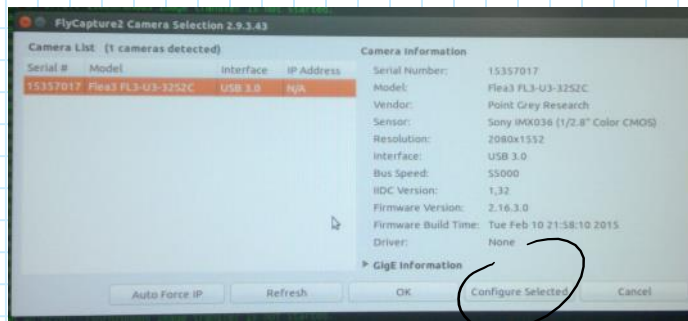
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This file will help you to change the resolution of the flea camera from the FLYCAP SDK. (Download it if you don't have it).

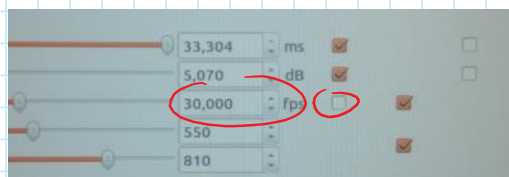
The camera has a start-up file which is loaded at every boot of the camera.

You can decide to change it.

- 1) Connect your camera to the USB port
- 2) Open terminal (Ubuntu) and type 'flycap'
- 3) The flycap gui will appear and you will see your camera listed:



- 4) Click on 'Configure Selected'
- 5) I suggest you to change, at least, in 'Camera Settings' the frame rate by removing first the 'auto' option and then setting to something between 15 and 30. (For me this fps are enough but it depends from the application)

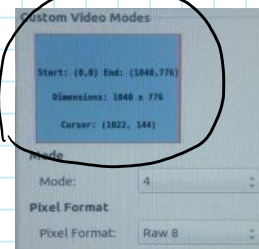
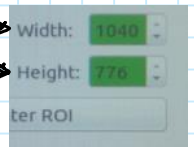


- 6) Then go to 'Custom Video Modes'. Set your mode to 4 (I left the 'Pixel Format' to 'Raw 8')

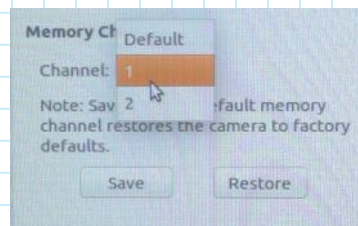
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- 7) Click on the down arrow both on 'Left' and on 'Top' until you reach the minimum (which should be 0)
- 8) Click on the up arrow both on 'Width' and on 'Height'
- 9) This will result in something like that



- 10) Now you click 'Apply'. If you now exit of flycap you will have your settings applied but only until the next boot of the camera.
- 11) If you want to save the config on the camera you need to go to 'Advanced Camera Settings'. You can see that there is a part called 'Memory Channel'. Here you can select between 1 and 2. These are 2 slots of memory where you can save 2 different configurations. For example you can click on 1 and do 'Save'. This will save your current config in the camera!



Note: I suggest you to change the mode of your camera always through the flycap SDK. But you can change it also through ROS (there was a bug, before it was not possible).

Go to the next page if you want to do that.

