

```
#!/opt/local/bin/python
# -*- coding: utf-8 -*-

#Upper code are mandatory to be written if you want to run it in Python 2.x version ↗
environments

#Composer : Dongbin Kim
#Date : 2019-06-02
#Title : OPENCV Tutorial - Framerate check

import cv2 # OpenCV library
import time # time library
import time as t

cam = cv2.VideoCapture(0) # Create Camera frame
if cam.isOpened() == False: # Camera create confirm
    print
    'Can\'t open the CAM(%d)' % (0)
    exit()

# Window creation, and size adjustment
cam.set(3,320) #length
cam.set(4,240) #width
#cam.set(5,30) #framerate adjustment

cv2.namedWindow('CAM_Window')

prevTime = 0 # Declare previous time

while (True):

    curTime = time.time() #Current time
    ret, frame = cam.read() #Achieve image from the camera

    sec = curTime - prevTime #current time - previous time : time when a frame is ↗
    achieved
    prevTime = curTime

    fps = 1 / (sec) #Framerate : 1 / time

    str = "FPS : %0.1f" % fps #save number of frame per seconds in string

    cv2.putText(frame, str, (0, 100), cv2.FONT_HERSHEY_SIMPLEX, 1, (0, 255, 0)) # ↗
    display on the frame

    cv2.imshow('CAM_Window', frame) # Put each frame on the window
```

```
    if cv2.waitKey(1) >= 0: #if any key is pressed -> it will shut down the window  
        break;
```

```
cam.release()
```

```
cv2.destroyAllWindows('CAM_Window')
```