Assignment-6

Python code:

import cv2

print(cv2.\_\_version\_\_)

cascade\_src = 'cars.xml'

video\_src = 'dataset/video1.avi'

#video\_src = 'dataset/video2.avi'

cap = cv2.VideoCapture(video\_src)

car\_cascade = cv2.CascadeClassifier(cascade\_src)

while True:

    ret, img = cap.read()

    if (type(img) == type(None)):

        break

    gray = cv2.cvtColor(img, cv2.COLOR\_BGR2GRAY)

    cars = car\_cascade.detectMultiScale(gray, 1.1, 1)

    for (x,y,w,h) in cars:

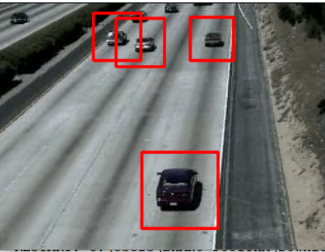
        cv2.rectangle(img,(x,y),(x+w,y+h),(0,0,255),2)

    cv2.imshow('video', img)

    if cv2.waitKey(33) == 27:

        break

cv2.destroyAllWindows()



Detected pic