

# 差分图像处理upload版

```
from __future__ import print_function
import cv2 as cv
import argparse

backSub = cv.createBackgroundSubtractorKNN()
capture = cv.VideoCapture(cv.samples.findFileOrKeep('video/
Camera Road 02.avi'))
if not capture.isOpened():
    print('Unable to open')
    exit(0)
frame_width = int(capture.get(cv.CAP_PROP_FRAME_WIDTH))
frame_height = int(capture.get(cv.CAP_PROP_FRAME_HEIGHT))
fps = int(capture.get(cv.CAP_PROP_FPS))
fourcc = cv.VideoWriter_fourcc(*'XVID')
fourcc1 = cv.VideoWriter_fourcc(*'XVID')
out = cv.VideoWriter('output.avi', fourcc, fps, (frame_widt
h, frame_height))
out1 = cv.VideoWriter('output1.avi', fourcc1, fps, (frame_w
idth, frame_height))

while True:
    ret, frame = capture.read()
    if frame is None:
        break
    fgMask = backSub.apply(frame)
    Object=cv.add(frame,frame,mask=fgMask)
    out.write(Object)
    out1.write(fgMask)
    cv.imshow('Frame', frame)
    cv.imshow('FG Mask', fgMask)
    cv.imshow('Object',Object)
    keyboard = cv.waitKey(30)
```

```
if keyboard == 'q' or keyboard == 27:  
    break
```

Results display gif:

[https://github.com/crabin/ComputerVision/blob/master/08/output/PixPin\\_2024-12-05\\_13-37-13.gif](https://github.com/crabin/ComputerVision/blob/master/08/output/PixPin_2024-12-05_13-37-13.gif)

download it:

[https://github.com/crabin/ComputerVision/blob/master/08/output/PixPin\\_2024-12-05\\_13-37-13.gif?raw=true](https://github.com/crabin/ComputerVision/blob/master/08/output/PixPin_2024-12-05_13-37-13.gif?raw=true)