from flask import Flask, Response, render\_template

import cv2

import time

app = Flask(\_\_name\_\_)

# 應用程式路由定義

@app.route('/')

def index():

return render\_template('index.html')

@app.route('/video\_feed')

def video\_feed():

return Response(generate\_frames(), mimetype='multipart/x-mixed-replace; boundary=frame')

# 影像串流生成器

def generate\_frames():

cap = cv2.VideoCapture(r'https://cctvn.freeway.gov.tw/abs2mjpg/mjpg?camera=13020&d=0.6550895420154794')

while True:

ret, frame = cap.read()

if not ret:

print("沒有讀取到影像，重新啟動 VideoCapture...")

cap.release()

time.sleep(0.1)

cap = cv2.VideoCapture("https://cctvn.freeway.gov.tw/abs2mjpg/mjpg?camera=13020&d=0.6550895420154794")

continue

else:

# 將影像編碼成 JPEG 格式，並且以 multipart/x-mixed-replace 格式傳輸

ret, buffer = cv2.imencode('.jpg', frame)

frame = buffer.tobytes()

yield (b'--frame\r\n'

b'Content-Type: image/jpeg\r\n\r\n' + frame + b'\r\n')

# 釋放 VideoCapture 物件，關閉視窗

cap.release()

cv2.destroyAllWindows()

if \_\_name\_\_ == '\_\_main\_\_':

app.run(debug=True)