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PYTHON CODES CIM

EXPLORER

PYTHON CODES CIM

- photos
- opencv
- read.py
- startup.py
- yolov8n.pt

Welcome | read.py

read.py > ...

```python
# pip install ultralytics opencv-python

import cv2
from ultralytics import YOLO

# Load YOLOv8 model (change to your custom weights if trained, e.g., 'stop_sign.pt')
model = YOLO("yolov8n.pt")  # 'n' = nano model, fast; use 's', 'm', 'l' for bigger models

# Define STOP sign class if using COCO dataset (class ID may vary in custom training)
STOP_LABELS = ["stop"]  # Update with your dataset class names

# Start webcam
cap = cv2.VideoCapture(0)  # Change index if needed

while True:
    ret, frame = cap.read()
    if not ret:
        break

    # Run YOLO detection
    results = model(frame)

    # Draw detections
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
0: 480x640 1 person, 225.2ms
Speed: 4.0ms preprocess, 225.2ms inference, 3.6ms postprocess per image at shape (1, 3, 480, 640)

0: 480x640 1 person, 186.8ms
Speed: 4.9ms preprocess, 186.8ms inference, 3.2ms postprocess per image at shape (1, 3, 480, 640)

0: 480x640 1 person, 179.1ms
Speed: 5.2ms preprocess, 179.1ms inference, 3.5ms postprocess per image at shape (1, 3, 480, 640)

0: 480x640 1 person, 1 cat, 195.4ms
Speed: 4.2ms preprocess, 195.4ms inference, 3.2ms postprocess per image at shape (1, 3, 480, 640)
```

powersh... Python Python Python Python Python powersh... Python Python

OUTLINE

TIMELINE

0 0

Ln 20, Col 1 Spaces: 4 UTF-8 CRLF {} Python 3.13.5

73°F Light rain

Search

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