1 OpenCV with Python

1. Install the most recent version of Python 3. See:

       www.python.org

      In addition to Python this should make the program pip3 available.

2. Run from the command line:

       pip3 install opencv-python

For additional information about OpenCV see:

      www.opencv.org.

1.1 Display live video

Please test your installation by running the following program. It reads from the default camera (if a camera is available).

```python
import cv2

videocapture = cv2.VideoCapture(0)

if not videocapture.isOpened():
    print("Can't open default video camera")

cv2.namedWindow("video", cv2.WINDOW_AUTOSIZE);

showframe = True
while(showframe):
    ret, frame = videocapture.read()

    if not videocapture.read(frame):
        print("Can't capture frame")
        break

    cv2.imshow("video", frame)
    if cv2.waitKey(30) >= 0:
        showframe = False

videocapture.release()
cv2.destroyAllWindows()
```