PyTesseract: Simple Python Optical Character Recognition

Pytesseract is a python wrapper for the Google tesseract-ocr. It will recognize and "read" the text embedded in images.

Tesseract acquired maturity with version 3.x when it started supporting many image formats and gradually added a large number of scripts (languages). Tesseract 3.x is based on traditional computer vision algorithms.
In version 4, Tesseract has implemented a Long Short Term Memory (LSTM) based recognition engine. LSTM is a kind of Recurrent Neural Network (RNN).

To recognize an image containing a single character, we typically use a Convolutional Neural Network (CNN). Text of arbitrary length is a sequence of characters, and such problems are solved using RNNs and LSTM is a popular form of RNN.

- The performance is not good when the text is all blurred during the frame change or if the words in the image are not clear.