STEP 1:

Select images under different conditions to build several sub-datasets License Plate images

STEP 2:

Characters which contains some amount of extracted images for each possible License Plate character. Characters is designed for training neural networks to recognize segmented character images

STEP 3:

Convolutional layers with ReLU and Batch Normalization, several MaxPooling layers with Dropout and several components composed of fully connected layers to predict the License Plate bounding box and the corresponding License Plate number

STEP 4:

The detection is done by feeding the convolution layer output by the last convolutional layer to fully-connected layers for bounding box prediction.

STEP 5:

Pooling layers are used to extract feature maps of interest and classifiers are used to predict the License Plate number of the License Plate in the input image

