

## a) General information on dataset

Name of dataset used: German Traffic Sign Benchmarks

Number of classes: 5 which are {'00005', '00004', '00010', '00012', '00038'}

Labels of classes: [5, 4, 10, 12, 38]

Total number of samples: 13320

Number of samples used in training: 10020

Size: 5: 630

4: 660

10: 660

12: 690

38: 690

Number of samples used in testing: 3330

## b) implementation details

Feature extraction method: HOG (Histogram of Oriented Gradients)

Number of HOG features for a single image: 144