|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Name** | **Size** | **Quantity** | **Format** | | **Category** | **Address** |
| CTSDB | 190M | 6K | | PNG | 58 | <http://www.nlpr.ia.ac.cn/pal/trafficdata/index.html> |
| CCTSDB | 7.68G | 15K | | PNG | 3 | <https://pan.baidu.com/s/1Swb48BppUJtuE3QeCcd4Yw> |
| TT100K | 105G | 100K | | PPM | 3 | <https://cg.cs.tsinghua.edu.cn/traffic-sign/> |
| Mapillary | 100G | 100K | | JPG | 300 | <https://www.mapillary.com/dataset/trafficsign> |
| GTSDB | 1.2G | 50K | | PPM | 40 | <http://benchmark.ini.rub.de/?section=gtsrb&subsection=dataset> |
| LISA | 7.7G | 6K(Frame) | | VOC | 47 | <http://cvrr.ucsd.edu/LISA/lisa-traffic-sign-dataset.html> |
| BelgiumTS | 250M | 3.6K | | PPM | 62 | <https://btsd.ethz.ch/shareddata/> |
| DFG | 7G | 7K | | JPEG | 200 | <http://www.vicos.si/Downloads/DFGTSD> |
| KUL Belgium | 50G | 16K | | PPM | 62 | <https://people.ee.ethz.ch/~timofter/traffic_signs/> |
| SwedishTS | 15G | 20K | | JPG | - | <http://www.cvl.isy.liu.se/en/research/datasets/traffic-signs-dataset/> |

**Traffic Sign Detection Datasets**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Training** | **Test** | **Total** |
| CTSDB | 4K(67%) | 2K(33%) | 6K |
| CCTSDB | 13.5K(90%) | 1.5K(10%) | 15K |
| TT100K | 67K(67%) | 33K(33%) | 100K |
| Mapillary | Custom | Custom | 100K |
| GTSDB | 0.6K(67%) | 0.3K(33%) | 0.9K |
| LISA | Custom | Custom | 6K |
| BelgiumTS | 2K(70%) | 1K(30%) | 3.6K |
| DFG | 5.2K(76%) | 1.7K(24%) | 7K |
| KUL Belgium | 10K(67%) | 5K(33%) | 16K |
| SwedishTS | Custom | Custom | 20K |

**Proportion of training set and test set**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Area** | **Category** | **Remark** |
| CTSDB | China | 58 | https://commons.wikimedia.org/wiki/Category:Road\_signs\_in\_China |
| CCTSDB | China | 3 | Warning, Prohibitory and Mandatory |
| TT100K | China | 3 | Warning, Prohibitory and Mandatory |
| Mapillary | 6 continents | 300 | - |
| GTSDB | German | 40 | https://en.wikipedia.org/wiki/Road\_signs\_in\_Germany |
| LISA | US | 47 | https://en.wikipedia.org/wiki/Road\_signs\_in\_the\_United\_States |
| BelgiumTS | Belgium | 62 | https://commons.wikimedia.org/wiki/Category:Diagrams\_of\_road\_signs\_of\_Belgium |
| DFG | Slovenian | 200 | https://commons.wikimedia.org/wiki/Category:Road\_signs\_in\_Slovenia |
| KUL | Belgium | 62 | https://commons.wikimedia.org/wiki/Category:Diagrams\_of\_road\_signs\_of\_Belgium |
| SwedishTS | Swedish | 8 | https://en.wikipedia.org/wiki/Road\_signs\_in\_Sweden#Additional\_panels |

**Category**

**Introduction**

1. **Chinese Traffic Sign Database（CTSDB）**

The CTSDB include traffic sign recognition database(TSRD), traffic sign detection database(TSDD) and traffic panel database(TPD). All databases are collected by camera under nature scenes or from BAIDU Street View. Among them, the TSRD includes 6164 traffic sign images containing 58 sign categories. The images are divided into two sub-database as training database and testing database. The training database includes 4170 images while the testing one contains 1994 images. All images are annotated the four coordinates of the sign and the category.

1. **CCTSDB**

The CCTSDB is obtained after expansion on the basic of CTSDB, which include more than 15,000 traffic sign images containing three major categories with no subdivision.

1. **Tsinghua-Tencent 100K Tutorial**

TT100K provides 100,000 images containing 30,000 traffic-sign instances. Each traffic-sign in the benchmark is annotated with a class label, its bounding box and pixel mask. It contains three major categories: warning, prohibitory and mandatory.

1. **Mapillary Traffic Sign Dataset**

The Mapillary Traffic Sign Dataset is the world’s largest and most diverse publicly available traffic sign dataset to detect and recognize traffic signs. The dataset consists of 100,000 images containing more than 300 traffic sign classes with bounding box annotations.

1. **German Traffic Sign Detection Benchmarks（GTSDB）**

The GTSDB are divided into two sub-dataset as training dataset and test dataset. The training dataset include 50,000 images containing 40 categories and the testing dataset include 900 images which consist of 600 training images and 300 testing images.

1. **LISA Traffic Sign Dataset**

The LISA Traffic Sign Dataset is a set of videos and 7855 annotated on 6610 frames containing 47 US traffic signs. The dataset include some images in color and some in grayscale particularly.

1. **BelgiumTS Dataset**

The Belgium Traffic Sign Dataset includes 3600 images containing 62 Belgium traffic sign categories which consist of 2400 training images and 1200 testing images.

1. **DFG Traffic Sign Dataset**

The DFG Traffic Sign Dataset consists of 200 traffic sign categories captured in Slovenian roads spanning in around 7000 high-resolution images. The dataset divided into 5254 training images and 1703 testing images.

1. **KUL Belgium Traffic Sign Dataset**

The KUL Belgium Traffic Sign Dataset includes 16,000 images containing 62 Belgium traffic sign categories which consist of 11,000 training images and 5000 testing images.

1. **Swedish Traffic Sign Dataset**

The Swedish Traffic Sign Dataset includes more than 20,000 images with 20% labeled containing 8 traffic sign categories. The dataset does not define the proportion of training dataset and testing dataset.