List of datasets

|  | Name of dataset | Reference | Size | Keyword |
| --- | --- | --- | --- | --- |
| 1 | **PASCAL Visual Object Classes (VOC)** | <https://homepages.inf.ed.ac.uk/ckiw/postscript/ijcv_voc09.pdf>  <http://host.robots.ox.ac.uk/pascal/VOC/> | 21 classes;  1.6GB tar file | Vehicles,  animals,  household,  person |
| 2 | **PASCAL Context** | <https://www.cs.toronto.edu/~urtasun/publications/mottaghi_et_al_cvpr14.pdf>  <https://cs.stanford.edu/~roozbeh/pascal-context/> | 400 classes (59 use);  1.3GB tar file | Objects, stuff, hybrids |
| 3 | **Microsoft Common Objects in Context (MS COCO)** | <https://arxiv.org/pdf/1405.0312.pdf>  <https://cocodataset.org/#home> | 80 classes;  18GB train, 6GB test zip file | Objects, stuff, people |
| 4 | **Cityscapes** | <https://arxiv.org/pdf/1604.01685.pdf>  <https://www.cityscapes-dataset.com/> | 30 classes; | Road, people, vehicle, buildings |
| 5 | **ADE20K /MIT Scene Parsing (SceneParse150)** | <https://people.csail.mit.edu/bzhou/publication/scene-parse-camera-ready.pdf>  <https://groups.csail.mit.edu/vision/datasets/ADE20K/> | 150 classes | Indoor,  vehicle, buildings, people |
| 6 | **SiftFlow** | <https://people.csail.mit.edu/torralba/publications/siftFlowCVPR.pdf>  <https://www.kaggle.com/quanbk/sift-flow-dataset> | 33 classes;  672MB | Streets, nature, buildings |
| 7 | **Stanford background** | <http://robotics.stanford.edu/~koller/Papers/Gould+al:ICCV09.pdf>  <http://dags.stanford.edu/projects/scenedataset.html> | 715 images  14MB | Objects, people, background |
| 8 | **Berkeley Segmentation Dataset (BSD)** | <https://www2.eecs.berkeley.edu/Research/Projects/CS/vision/grouping/papers/mftm-iccv01.pdf>  <https://www2.eecs.berkeley.edu/Research/Projects/CS/vision/bsds/> | 300 images 50MB | Nature, animals, people, buildings |
| 9 | **Youtube-Objects** | <https://hal.inria.fr/hal-00695940v2/document>  <https://data.vision.ee.ethz.ch/cvl/youtube-objects/> | 10 classes;  89 GB | Animals, vehicle |
| 10 | **KITTI** | <http://www.cvlibs.net/publications/Geiger2013IJRR.pdf>  <http://www.cvlibs.net/datasets/kitti/index.php> |  | Road scenes |
| 11 | **Semantic Boundaries Dataset (SBD)** | <https://people.cs.umass.edu/~smaji/papers/contours-iccv11.pdf>  <http://home.bharathh.info/pubs/codes/SBD/download.html> |  |  |
| 12 | **PASCAL Part** | <https://arxiv.org/pdf/1406.2031.pdf>  <http://roozbehm.info/pascal-parts/pascal-parts.html> | 20 classes | Parts of the object |
| 13 | **SYNTHIA** | <https://www.cv-foundation.org/openaccess/content_cvpr_2016/papers/Ros_The_SYNTHIA_Dataset_CVPR_2016_paper.pdf>  <https://synthia-dataset.net/> | 13 classes | Road scenes |
| 14 | **Adobe’s**  **Portrait Segmentation** | <http://xiaoyongshen.me/webpage_portrait/papers/portrait_eg16.pdf>  <http://xiaoyongshen.me/webpage_portrait/index.html> |  | Portraits |
| 15 | **NYU-D V2** | <https://www.microsoft.com/en-us/research/wp-content/uploads/2016/11/shkf_eccv2012.pdf>  <https://cs.nyu.edu/~silberman/datasets/nyu_depth_v2.html> | 2.8GB | Indoors |
| 16 | **SUN-3D** | <https://vision.cs.princeton.edu/projects/2013/SUN3D/paper.pdf>  <http://sun3d.cs.princeton.edu/> |  | Indoors |
| 17 | **SUN RGB-D** | <https://rgbd.cs.princeton.edu/paper.pdf>  <https://rgbd.cs.princeton.edu/> | 10,000 RGB-D images | Indoors |
| 18 | **UW RGB-D Object Dataset** | <https://rse-lab.cs.washington.edu/postscripts/rgbd-dataset-icra-11.pdf>  <http://rgbd-dataset.cs.washington.edu/> | 51 classes | Ìndoors |
| 19 | **ScanNet** | <https://arxiv.org/pdf/1702.04405.pdf>  <http://www.scan-net.org/> | 1500 scans | Indoors |
| 20 | **Stanford 2D-3D** | <https://arxiv.org/pdf/1702.01105.pdf>  <https://cvgl.stanford.edu/resources.html> | 70,000 images | Indoors |
| 21 | **ShapeNet Core** | <https://arxiv.org/pdf/1512.03012.pdf>  <https://arxiv.org/pdf/1710.06104.pdf>  <https://shapenet.org/> | 55 classes | Indoors, vehicle  (shapenet) |
| 22 | **Sydney Urban Objects Dataset** | <https://www.araa.asn.au/acra/acra2013/papers/pap133s1-file1.pdf>  <http://www.acfr.usyd.edu.au/papers/SydneyUrbanObjectsDataset.shtml> | 26 classes | Vehicle, pedestrian, signs, trees |
| 23 | **CamVid** | <http://mi.eng.cam.ac.uk/research/projects/VideoRec/CamVid/> | 32 classes | Road scenes |
| 24 | **DUS** | <https://paperswithcode.com/dataset/dus> | 5 classes | Ground, building, vehicle, pedestrian, sky |
| 25 | **Mapillary**  **(Mapillary Vistas Dataset)** | <https://www.mapillary.com/dataset/vistas?pKey=0_xJqX3-c-KyTb90oG_8HQ&lat=20&lng=0&z=1.5> | 124 classes | Road scenes |
| 26 | **WildDash 2** | <https://wilddash.cc/> | 4256 frames | Road scenes |
| 27 | **ApolloScape** | <http://apolloscape.auto/scene.html> | 36 classes | Vehicles, pedestrians |
| 28 | **India Driving Dataset** | <https://idd.insaan.iiit.ac.in/> | 34 classes | Road scenes |
| 29 | **RailSem19** | <https://wilddash.cc/railsem19> | 8500 images | Train, tram |
| 30 | **Playing for Benchmarks** | <https://playing-for-benchmarks.org/overview/> |  | Video games |
| 31 | **VEIS: Virtual Environment for Instance Segmentation** | <https://github.com/fatemeh-slh/VEIS> | 19 classes | Synthetic road scenes |
|  |  |  |  |  |
| 32 | **Semantic segmentation of aerial imagery** | <https://www.kaggle.com/humansintheloop/semantic-segmentation-of-aerial-imagery> | 6 classes | Images from air |
| 33 | **FASSEG: a FAce Semantic SEGmentation repository for face image analysis** | <https://data.mendeley.com/datasets/sv7ns5xv7f/1> | 6 classes | Mouth, nose, eyes, hair, skin, background |
| 34 | **BDD100K** | <https://arxiv.org/pdf/1805.04687.pdf>  <https://www.bdd100k.com/> |  | Road scenes |
| 35 | **UAVid** | <https://uavid.nl/> | 8 classes | Road scenes, people |
| 36 | **A2D2:**  **Audi Autonomous Driving Dataset** | <https://arxiv.org/pdf/2004.06320.pdf>  <https://www.a2d2.audi/a2d2/en/dataset.html> | 38 classes | Road scenes |
| 37 | **SemanticUSL** | <https://unmannedlab.github.io/semanticusl> |  | Road scenes |
| 38 | **POSS** | <http://www.poss.pku.edu.cn/download.html> |  |  |
| 39 | **PreSIL** | <https://uwaterloo.ca/waterloo-intelligent-systems-engineering-lab/projects/precise-synthetic-image-and-lidar-presil-dataset-autonomous> |  | Road scenes |
| 40 | **EDEN** | <https://lhoangan.github.io/eden/> | 9 classes | Gardens |